

**UPPER ANIMAS DATA**

Lab Name	Lab. Samp	Lab Job #	BASIN	NEW SITE	STRM_DESCR	OLD SITE	D
Lab.	Desig	Lab. Projec	Report I. D.				
DPW		103.277	UA		13th St Br	<b>A68</b>	A68
DPW		103.278	UA		13th St Br	<b>A68</b>	A68
DPW		103.279	UA		13th St Br	<b>A68</b>	A68
DPW		103.28	UA		13th St Br	<b>A68</b>	A68
DPW		103.281	UA		13th St Br	<b>A68</b>	A68
DPW		103.282	UA		13th St Br	<b>A68</b>	A68
DPW		103.283	UA		13th St Br	<b>A68</b>	A68
DPW		103.284	UA		13th St Br	<b>A68</b>	A68
DPW		103.285	UA		13th St Br	<b>A68</b>	A68
DPW		103.286	UA		13th St Br	<b>A68</b>	A68
DPW		103.287	UA		13th St Br	<b>A68</b>	A68
DPW		103.288	UA		13th St Br	<b>A68</b>	
DPW		103.289	UA		13th St Br	<b>A68</b>	
DPW		103.29	UA		13th St Br	<b>A68</b>	
DPW		103.291	UA		13th St Br	<b>A68</b>	
DPW		103.292	UA		13th St Br	<b>A68</b>	
DPW		103.293	UA		13th St Br	<b>A68</b>	
DPW		103.294	UA		13th St Br	<b>A68</b>	
DPW		103.295	UA		13th St Br	<b>A68</b>	
DPW		103.296	UA		13th St Br	<b>A68</b>	
DPW		103.297	UA		13th St Br	<b>A68</b>	
DPW		103.298	UA		13th St Br	<b>A68</b>	
DPW		103.299	UA		13th St Br	<b>A68</b>	
DPW		103.3	UA		13th St Br	<b>A68</b>	
DPW		103.301	UA		13th St Br	<b>A68</b>	
DPW		103.302	UA		13th St Br	<b>A68</b>	
DPW		103.303	UA		13th St Br	<b>A68</b>	
DPW		103.304	UA		13th St Br	<b>A68</b>	
DPW		103.305	UA		13th St Br	<b>A68</b>	
DPW		103.306	UA		13th St Br	<b>A68</b>	
DPW		103.307	UA		13th St Br	<b>A68</b>	
DPW		103.308	UA		13th St Br	<b>A68</b>	
DPW		103.309	UA		13th St Br	<b>A68</b>	
DPW		103.31	UA		13th St Br	<b>A68</b>	
DPW		103.311	UA		13th St Br	<b>A68</b>	
DPW		103.312	UA		13th St Br	<b>A68</b>	
DPW		103.313	UA		13th St Br	<b>A68</b>	
DPW		103.314	UA		13th St Br	<b>A68</b>	
DPW		103.315	UA		13th St Br	<b>A68</b>	
DPW		103.316	UA		13th St Br	<b>A68</b>	
DPW		103.317	UA		13th St Br	<b>A68</b>	
DPW		103.318	UA		13th St Br	<b>A68</b>	

DPW	103.319	UA	13th St Br	<b>A68</b>
DPW	103.32	UA	13th St Br	<b>A68</b>
DPW	103.321	UA	13th St Br	<b>A68</b>
DPW	103.322	UA	13th St Br	<b>A68</b>
DPW	467.002	UA	Howardsville gage	<b>A55</b>
DPW	467.003	UA	Howardsville gage	<b>A55</b>
DPW	467.004	UA	Howardsville gage	<b>A55</b>
DPW	467.005	UA	Howardsville gage	<b>A55</b>
DPW	467.007	UA	Howardsville gage	<b>A55</b>
DPW	467.008	UA	Howardsville gage	<b>A55</b>
DPW	467.009	UA	Howardsville gage	<b>A55</b>
DPW	467.01	UA	Howardsville gage	<b>A55</b>
DPW	467.011	UA	Howardsville gage	<b>A55</b>
DPW	467.012	UA	Howardsville gage	<b>A55</b>
DPW	467.013	UA	Howardsville gage	<b>A55</b>
DPW	467.014	UA	Howardsville gage	<b>A55</b>
DPW	467.015	UA	Howardsville gage	<b>A55</b>
DPW	467.016	UA	Howardsville gage	<b>A55</b>
DPW	467.017	UA	Howardsville gage	<b>A55</b>
DPW	467.018	UA	Howardsville gage	<b>A55</b>
DPW	467.019	UA	Howardsville gage	<b>A55</b>
DPW	467.02	UA	Howardsville gage	<b>A55</b>
DPW	467.021	UA	Howardsville gage	<b>A55</b>
DPW	467.022	UA	Howardsville gage	<b>A55</b>
DPW	467.023	UA	Howardsville gage	<b>A55</b>
DPW	3611.082	UA	Animas gage blw Silver	<b>A72</b>
DPW	3611.083	UA	Animas gage blw Silver	<b>A72</b>
DPW	3611.084	UA	Animas gage blw Silver	<b>A72</b>
DPW	3611.085	UA	Animas gage blw Silver	<b>A72</b>
DPW	3611.086	UA	Animas gage blw Silver	<b>A72</b>
DPW	3611.087	UA	Animas gage blw Silver	<b>A72</b>
DPW	3611.088	UA	Animas gage blw Silver	<b>A72</b>
DPW	3611.089	UA	Animas gage blw Silver	<b>A72</b>
DPW	3611.09	UA	Animas gage blw Silver	<b>A72</b>
DPW	3611.091	UA	Animas gage blw Silver	<b>A72</b>
DPW	3611.092	UA	Animas gage blw Silver	<b>A72</b>
DPW	3611.093	UA	Animas gage blw Silver	<b>A72</b>
DPW	3611.094	UA	Animas gage blw Silver	<b>A72</b>
DPW	3611.095	UA	Animas gage blw Silver	<b>A72</b>
DPW	3611.096	UA	Animas gage blw Silver	<b>A72</b>
DPW	3611.097	UA	Animas gage blw Silver	<b>A72</b>
DPW	3611.098	UA	Animas gage blw Silver	<b>A72</b>
DPW	3611.099	UA	Animas gage blw Silver	<b>A72</b>
DPW	3611.1	UA	Animas gage blw Silver	<b>A72</b>
DPW	3611.101	UA	Animas gage blw Silver	<b>A72</b>
DPW	3611.102	UA	Animas gage blw Silver	<b>A72</b>
DPW	3611.103	UA	Animas gage blw Silver	<b>A72</b>

DPW	3611.104	UA	Animas gage blw Silver A72h
DPW	3611.105	UA	Animas gage blw Silver A72h
DPW	3611.106	UA	Animas gage blw Silver A72h
DPW	3611.107	UA	Animas gage blw Silver A72h
DPW	3611.108	UA	Animas gage blw Silver A72h
DPW	3611.109	UA	Animas gage blw Silver A72h
DPW	3611.11	UA	Animas gage blw Silver A72h
DPW	3611.111	UA	Animas gage blw Silver A72h
DPW	3611.112	UA	Animas gage blw Silver A72h
DPW	3611.113	UA	Animas gage blw Silver A72h
DPW	3611.114	UA	Animas gage blw Silver A72h
DPW	3611.115	UA	Animas gage blw Silver A72h
DPW	3611.116	UA	Animas gage blw Silver A72h
DPW	3579.094	UA	Boating put-in abv A7A72B
DPW	3579.095	UA	Boating put-in abv A7A72B
DPW	3579.096	UA	Boating put-in abv A7A72B
DPW	3579.097	UA	Boating put-in abv A7A72B
DPW	3579.098	UA	Boating put-in abv A7A72B
DPW	3579.099	UA	Boating put-in abv A7A72B
DPW	3579.1	UA	Boating put-in abv A7A72B
DPW	3579.102	UA	Boating put-in abv A7A72B
DPW	3579.103	UA	Boating put-in abv A7A72B
DPW	3579.104	UA	Boating put-in abv A7A72B
DPW	3579.105	UA	Boating put-in abv A7A72B
DPW	3579.106	UA	Boating put-in abv A7A72B
DPW	3579.107	UA	Boating put-in abv A7A72B
DPW	3579.108	UA	Boating put-in abv A7A72B
DPW	3579.109	UA	Boating put-in abv A7A72B
DPW	3579.11	UA	Boating put-in abv A7A72B
DPW	3579.111	UA	Boating put-in abv A7A72B
DPW	3579.112	UA	Boating put-in abv A7A72B
DPW	3579.113	UA	Boating put-in abv A7A72B
DPW	3579.114	UA	Boating put-in abv A7A72B
DPW	3579.115	UA	Boating put-in abv A7A72B
DPW	3579.116	UA	Boating put-in abv A7A72B
DPW	3579.117	UA	Boating put-in abv A7A72B
DPW	3579.118	UA	Boating put-in abv A7A72B
DPW	3579.119	UA	Boating put-in abv A7A72B
DPW	3579.12	UA	Boating put-in abv A7A72B
DPW	3579.121	UA	Boating put-in abv A7A72B
DPW	3579.122	UA	Boating put-in abv A7A72B
DPW	3579.123	UA	Boating put-in abv A7A72B
DPW	3579.124	UA	Boating put-in abv A7A72B
DPW	3579.125	UA	Boating put-in abv A7A72B
DPW	3579.126	UA	Boating put-in abv A7A72B
DPW	3579.127	UA	Boating put-in abv A7A72B
DPW	3579.128	UA	Boating put-in abv A7A72B

UA	Silver Lake outlet
UA	Royal Tiger pipe
UA	Animas above discharge <del>A21</del> from gr
UA	Animas above discharge <del>A21</del> from gr
UA	Animas above discharge <del>A21</del> from gr
UA	Animas above discharge <del>A21</del> from gr
UA	Animas above discharge <del>A21</del> from gr
UA	Animas above discharge <del>A21</del> from gr
UA	Animas above discharge <del>A21</del> from gr
UA	Animas above discharge <del>A21</del> from gr
UA	Animas at lower perm <del>A12</del> undar
UA	Animas at lower perm <del>A12</del> undar
UA	Animas at lower perm <del>A12</del> undar
UA	Animas at lower perm <del>A12</del> undar
UA	Animas at lower perm <del>A12</del> undar
UA	Animas at lower perm <del>A12</del> undar
UA	Animas at lower perm <del>A12</del> undar
UA	Animas at lower perm <del>A12</del> undar
UA	Animas at Hemitite Cr <del>A13</del> pipeline,
UA	Animas at Hemitite Cr <del>A13</del> pipeline,
UA	Animas at Hemitite Cr <del>A13</del> pipeline,
UA	Animas at Hemitite Cr <del>A13</del> pipeline,
UA	Animas at Hemitite Cr <del>A13</del> pipeline,
UA	Upstream of Silver Wi <del>A28</del>
UA	Upstream of Silver Wi <del>A28</del>
UA	Upstream of Silver Wi <del>A28</del>
UA	Upstream of Silver Wi <del>A28</del>
UA	Upstream of Silver Wi <del>A28</del>
UA	Upstream of Silver Wi <del>A28</del>
UA	Upstream of Silver Wi <del>A28</del>
UA	Upstream of Silver Wi <del>A28</del>
UA	Upstream of Silver Wi <del>A28</del>
UA	Silver Wing Portal <b>A29</b>
UA	Downstream of Silver <del>A30</del> g
UA	Downstream of Silver <del>A30</del> g

	UA	Downstream of Silver <del>ABD</del> g
	UA	Downstream of Silver <del>ABD</del> g
	UA	Downstream of Silver <del>ABD</del> g
	UA	Downstream of Silver <del>ABD</del> g
	UA	Downstream of Silver <del>ABD</del> g
	UA	Downstream of Silver <del>ABD</del> g
	UA	Downstream of Silver <del>ABD</del> g
	UA	Downstream of Silver <del>ABD</del> g
USGS	UA	Animas gage blw Silver <del>A72</del> h
USGS	UA	Animas gage blw Silver <del>A72</del> h
USGS	UA	Animas gage blw Silver <del>A72</del> h
USGS	UA	Animas gage blw Silver <del>A72</del> h
USGS	UA	Animas gage blw Silver <del>A72</del> h
USGS	UA	Animas gage blw Silver <del>A72</del> h
USGS	UA	Animas gage blw Silver <del>A72</del> h
USGS	UA	Animas gage blw Silver <del>A72</del> h
USGS	UA	Animas gage blw Silver <del>A72</del> h
USGS	UA	Animas gage blw Silver <del>A72</del> h
USGS	UA	Animas gage blw Silver <del>A72</del> h
USGS	UA	Animas gage blw Silver <del>A72</del> h
USGS	UA	Animas gage blw Silver <del>A72</del> h
USGS	UA	Animas gage blw Silver <del>A72</del> h
USGS	UA	Animas gage blw Silver <del>A72</del> h
USGS	UA	Animas gage blw Silver <del>A72</del> h

DATE	TIME_24H	AGENCY	COMMENT	TYPE
1/5/2012	13:00:00	CRW		S
2/9/2012	13:25:00	CRW	May have l	S
3/7/2012	13:25:00	CRW		S
4/3/2012	9:36:00	CRW		S
5/2/2012	9:55:00	CRW		S
6/2/2012	13:25:00	CRW		S
8/6/2012	10:05:00	CRW		S
9/4/2012	13:25:00	CRW		S
10/3/2012	12:35:00	CRW		S
11/7/2012	10:45:00	CRW		S
12/10/2012	11:00:00	CRW	metals tak	S
1/7/2013	10:00:00	CRW		
3/11/2013	10:30:00	CRW		
4/10/2013	10:30:00	CRW		
5/7/2013	13:00:00	CRW		
6/5/2013	13:20:00	CRW	High flow nutrient sample	
7/7/2013	14:00:00	CRW		
8/4/2013	8:45:00	CRW		
9/10/2013	13:10:00	CRW	Rain, river up	
10/2/2013	13:30:00	CRW		
11/8/2013	10:15:00	CRW		
12/13/2013	10:30:00	CRW	Filtered later	
1/8/2014	10:00:00	CRW	filtered in lab	
2/7/2014	10:30:00	CRW		
3/5/2014	10:15:00	CRW		
3/21/2014	17:15:00	CRW	Special study	
3/22/2014	10:15:00	CRW		
3/25/2014	17:45:00	CRW	Special Study	
3/26/2014	9:00:00	CRW	Special study	
4/4/2014	18:45:00	CRW	Special study	
4/5/2014	10:00:00	CRW	Special study	
4/9/2014	18:45:00	CRW	Special study	
4/10/2014	8:00:00	CRW	Special study	
4/10/2014	9:30:00	CRW		
4/17/2014	19:15:00	CRW	Special study	
4/18/2014	7:45:00	CRW	Special study	
4/25/2014	18:45:00	CRW	Special study	
4/26/2014	7:15:00	CRW	Special study	
5/1/2014	10:15:00	CRW	Special study	
6/6/2014	13:20:00	CRW		
7/1/2014	12:45:00	CRW		
8/1/2014	12:15:00	CRW	Turbid, raining past 3 day	

9/5/2014	10:45:00CRW	
10/2/2014	9:25:00CRW	September Rain and snow
11/7/2014	9:30:00CRW	
12/5/2014	10:45:00CRW	
3/5/2014	9:30:00CRW	
3/21/2014	16:30:00CRW	Special study
3/22/2014	9:30:00CRW	Special study
3/25/2014	16:45:00CRW	Special study
4/4/2014	18:00:00CRW	Special study
4/5/2014	9:00:00CRW	Special study
4/9/2014	18:00:00CRW	Special Study
4/10/2014	7:15:00CRW	Special study
4/10/2014	9:00:00CRW	Special study
4/17/2014	18:30:00CRW	Special study
4/18/2014	7:00:00CRW	Special study
4/25/2014	18:15:00CRW	Special study
4/26/2014	6:30:00CRW	Special study
5/1/2014	9:45:00CRW	Special study
6/6/2014	12:40:00CRW	
7/1/2014	13:10:00CRW	
8/1/2014	13:05:00CRW	Turbid, raining past 3 day
9/5/2014	9:00:00CRW	
10/2/2014	8:40:00CRW	September rain and snow
11/7/2014	8:30:00CRW	low flow nutrient
12/5/2014	9:45:00CRW	
1/5/2012	14:00:00CRW	S
3/7/2012	14:30:00CRW	S
4/3/2012	10:45:00CRW	S
5/2/2012	11:10:00CRW	S
5/7/2012	7:45:00CRW	Metals onl S
6/2/2012	14:10:00CRW	S
8/6/2012	11:00:00CRW	S
9/4/2012	14:10:00CRW	S
10/3/2012	13:30:00CRW	S
11/7/2012	11:30:00CRW	S
12/10/2012	11:45:00CRW	metals pul S
1/7/2013	11:30:00CRW	
2/7/2013	12:00:00CRW	
3/11/2013	11:45:00CRW	
4/10/2013	11:45:00CRW	
5/7/2013	13:45:00CRW	
6/5/2013	14:15:00CRW	High flow nutrient sample
7/7/2013	14:45:00CRW	
8/4/2013	9:25:00CRW	
9/10/2013	14:10:00CRW	
10/2/2013	14:20:00CRW	
11/8/2013	11:30:00CRW	

12/13/2013	12:15:00 CRW	
1/8/2014	11:30:00 CRW	filtered in lab
2/7/2014	12:15:00 CRW	
3/5/2014	11:30:00 CRW	
4/10/2014	10:30:00 CRW	
5/1/2014	11:15:00 CRW	
6/6/2014	14:15:00 CRW	
7/1/2014	14:05:00 CRW	
8/1/2014	14:10:00 CRW	Turbid, raining past 3 day
9/5/2014	11:30:00 CRW	
10/2/2014	10:00:00 CRW	September rain and snow
11/7/2014	10:30:00 CRW	low flow nutrient
12/5/2014	11:45:00 CRW	
1/5/2012	13:35:00 CRW	
3/7/2012	14:45:00 CRW	
4/3/2012	10:19:00 CRW	
5/2/2012	10:40:00 CRW	
6/2/2012	13:50:00 CRW	
8/6/2012	10:40:00 CRW	
9/4/2012	13:55:00 CRW	
10/3/2012	13:10:00 CRW	
11/7/2012	11:00:00 CRW	
12/10/2012	11:30:00 CRW	metals taken and filtered
1/7/2013	11:00:00 CRW	
2/7/2013	11:30:00 CRW	
3/11/2013	11:30:00 CRW	
4/10/2013	11:25:00 CRW	
5/7/2013	13:35:00 CRW	
6/5/2013	13:55:00 CRW	High flow nutrient sample
7/7/2013	14:25:00 CRW	
8/4/2013	9:15:00 CRW	
9/10/2013	16:50:00 CRW	
10/2/2013	14:00:00 CRW	
11/8/2013	11:00:00 CRW	
12/13/2013	11:45:00 CRW	
1/8/2014	11:00:00 CRW	filtered in lab
2/7/2014	11:45:00 CRW	
3/5/2014	11:00:00 CRW	
4/10/2014	10:00:00 CRW	
5/1/2014	10:45:00 CRW	
6/6/2014	14:00:00 CRW	
7/1/2014	13:55:00 CRW	
8/1/2014	13:55:00 CRW	Turbid, raining past 3 day
9/5/2014	11:00:00 CRW	
10/2/2014	9:40:00 CRW	September rain and snow
11/7/2014	10:15:00 CRW	low flow nutrient
12/5/2014	12:00:00 CRW	

A48er of Howardsville tailings	7/23/2014	10:40 ARSG
A48er of Howardsville tailings	7/23/2014	12:00 ARSG
A48er of Howardsville tailings	6/30/2012	12:30 Colo. Goldfields
A48er of Howardsville tailings	9/29/2012	12:51 Colo. Goldfields
A48er of Howardsville tailings	3/29/2013	15:40 Colo. Goldfields
A48er of Howardsville tailings	6/24/2013	16:25 Colo. Goldfields
A48er of Howardsville tailings	9/23/2013	15:03 Colo. Goldfields
A48er of Howardsville tailings	12/29/2013	14:35 Colo. Goldfields
A48er of Howardsville tailings	5/6/2014	13:05 Colo. Goldfields
mill	6/30/2012	12:12 Colo. Goldfields
mill	9/29/2012	12:35 Colo. Goldfields
mill	12/31/2012	13:35 Colo. Goldfields
mill	4/1/2013	9:40 Colo. Goldfields
mill	6/24/2013	16:08 Colo. Goldfields
mill	9/23/2013	14:40 Colo. Goldfields
mill	12/29/2013	13:57 Colo. Goldfields
mill	5/6/2014	12:25 Colo. Goldfields
A53C?	6/30/2012	10:30 Colo. Goldfields
A53C?	9/29/2012	11:25 Colo. Goldfields
A53C?	12/31/2012	12:55 Colo. Goldfields
A53C?	3/30/2013	10:30 Colo. Goldfields
A53C?	6/24/2013	14:35 Colo. Goldfields
A53C?	9/23/2013	13:05 Colo. Goldfields
A53C?	12/29/2013	13:00 Colo. Goldfields
A53C?	5/6/2014	10:50 Colo. Goldfields
SWM-1	6/29/2011	Colo. Goldfields
SWM-1	9/23/2011	Colo. Goldfields
SWM-1	11/3/2011	Colo. Goldfields
SWM-1	11/27/2011	Colo. Goldfields
SWM-1	5/1/2012	Colo. Goldfields
SWM-1	6/15/2012	Colo. Goldfields
SWM-1	8/1/2012	Colo. Goldfields
SWM-1	11/5/2012	Colo. Goldfields
SWM-1	6/5/2013	Colo. Goldfields
SWM-1	9/28/2013	Colo. Goldfields
SWM-2	6/29/2011	Colo. Goldfields
SWM-2	9/23/2011	Colo. Goldfields
SWM-2	11/3/2011	Colo. Goldfields
SWM-2	11/27/2011	Colo. Goldfields
SWM-2	4/30/2012	Colo. Goldfields
SWM-2	6/15/2012	Colo. Gold Animas R. is milky
SWM-2	8/1/2012	Colo. Goldfields
SWM-2	11/5/2012	Colo. Goldfields
SWM-2	6/5/2013	Colo. Goldfields
SWM-2	9/28/2013	Colo. Goldfields
SWM-3	6/29/2011	Colo. Goldfields
SWM-3	9/23/2011	Colo. Goldfields

SWM-3	11/3/2011	Colo. Goldfields
SWM-3	11/27/2011	Colo. Goldfields
SWM-3	5/1/2012	Colo. Goldfields
SWM-3	6/15/2012	Colo. Goldfields
SWM-3	8/1/2012	Colo. Goldfields
SWM-3	11/5/2012	Colo. Goldfields
SWM-3	6/5/2013	Colo. Goldfields
SWM-3	9/28/2013	Colo. Goldfields
	4/2/2012	10:15 USGS
	5/9/2012	12:15 USGS
	7/24/2012	11:00 USGS
	11/29/2012	11:00 USGS
	4/15/2013	11:45 USGS
	6/4/2013	11:30 USGS
	9/26/2013	11:30 USGS
	10/28/2013	12:50 USGS
	4/11/2014	13:15 USGS
	5/28/2014	12:00 USGS
	8/19/2014	11:30 USGS
	11/14/2014	13:15 USGS

PURPOSE	LAT_DD	LONG_DD	ELEV_FT	daily mean flow_CFS	instantane EST_Q_GPPH	provisional	
						pH-lab	TEMP_C
G	37.8111	107.6586	9320		7.85		0.5
ce in Hardm	37.8111	107.6586	9320		6.05		0.5
G	37.8111	107.6586	9320		7.39		1
G	37.8111	107.6586	9320		7.45		
G	37.8111	107.6586	9320		7.8		4
G	37.8111	107.6586	9320		7.97		6.5
G	37.8111	107.6586	9320		7.77		10.6
G	37.8111	107.6586	9320		8.09		12
G	37.8111	107.6586	9320		8.05		8.5
G	37.8111	107.6586	9320		6.05		2.5
143@	37.8111	107.6586	9320		6.39		0.5
	37.8111	107.6586	9320		5.7		0
	37.8111	107.6586	9320		5.81		0
	37.8111	107.6586	9320		5.18		0
	37.8111	107.6586	9320		7.64		5.5
	37.8111	107.6586	9320		7.73		10.5
	37.8111	107.6586	9320		7.85		16.5
	37.8111	107.6586	9320		7.98		7.5
	37.8111	107.6586	9320		7.6		11
	37.8111	107.6586	9320		7.83		9
	37.8111	107.6586	9320		7.97		1.5
	37.8111	107.6586	9320		7.56		0
	37.8111	107.6586	9320		6.2		0
	37.8111	107.6586	9320		6.18		0.5
	37.8111	107.6586	9320		6.13		0.5
	37.8111	107.6586	9320		7.44		4.5
	37.8111	107.6586	9320		7.5		1
	37.8111	107.6586	9320		7.46		6
	37.8111	107.6586	9320		7.54		1
	37.8111	107.6586	9320		7.42		3.5
	37.8111	107.6586	9320		7.41		1.75
	37.8111	107.6586	9320		7.47		5
	37.8111	107.6586	9320		7.68		0.5
	37.8111	107.6586	9320		7.53		1
	37.8111	107.6586	9320		7.38		7
	37.8111	107.6586	9320		7.38		1
	37.8111	107.6586	9320		7.55		6
	37.8111	107.6586	9320		7.56		2
	37.8111	107.6586	9320		7.53		2.5
	37.8111	107.6586	9320		7.52		9
	37.8111	107.6586	9320		8.12		10.5
s	37.8111	107.6586	9320		7.79		11.5

	37.8111	107.6586	9320	7.72	9.5
	37.8111	107.6586	9320	7.61	2
	37.8111	107.6586	9320	7.64	2.5
	37.8111	107.6586	9320	7.04	2
	37.8286	107.6083	9630	6.23	0
	37.8286	107.6083	9630	7.66	6.5
	37.8286	107.6083	9630	7.7	2
	37.8286	107.6083	9630	7.63	8.5
	37.8286	107.6083	9630	7.66	5
	37.8286	107.6083	9630	7.69	1.75
	37.8286	107.6083	9630	7.64	6
	37.8286	107.6083	9630	7.59	1
	37.8286	107.6083	9630	7.69	1
	37.8286	107.6083	9630	7.58	9.5
	37.8286	107.6083	9630	7.67	1
	37.8286	107.6083	9630	7.68	6
	37.8286	107.6083	9630	7.69	2
	37.8286	107.6083	9630	7.63	3
	37.8286	107.6083	9630	7.52	9
	37.8286	107.6083	9630	8.09	11.5
s	37.8286	107.6083	9630	7.8	12
	37.8286	107.6083	9630	7.76	7
	37.8286	107.6083	9630	7.62	1.5
	37.8286	107.6083	9630	7.66	1
	37.8286	107.6083	9630	7.16	1
G	37.7919	107.6833	9200	4.95	1.5
G	37.7919	107.6833	9200	5.13	2
G	37.7919	107.6833	9200	7.46	
G	37.7919	107.6833	9200	7.83	6
etals	slug from	37.7919	107.6833	9200	
					2
	G	37.7919	107.6833	9200	7.96
	G	37.7919	107.6833	9200	7.78
	G	37.7919	107.6833	9200	7.79
	G	37.7919	107.6833	9200	6.29
	G	37.7919	107.6833	9200	5.04
at 1430		37.7919	107.6833	9200	4.42
		37.7919	107.6833	9200	4.49
		37.7919	107.6833	9200	4.57
		37.7919	107.6833	9200	4.56
		37.7919	107.6833	9200	4.64
		37.7919	107.6833	9200	7.68
		37.7919	107.6833	9200	7.71
		37.7919	107.6833	9200	7.92
		37.7919	107.6833	9200	7.8
		37.7919	107.6833	9200	7.57
		37.7919	107.6833	9200	7.83
		37.7919	107.6833	9200	8

	37.7919	107.6833	9200	7	0.5
	37.7919	107.6833	9200	6.12	0
	37.7919	107.6833	9200	5.43	1
	37.7919	107.6833	9200	5.13	2
	37.7919	107.6833	9200	6.13	3
	37.7919	107.6833	9200	7.37	4
	37.7919	107.6833	9200	7.67	10
	37.7919	107.6833	9200	8.13	12
s	37.7919	107.6833	9200	7.89	12.5
	37.7919	107.6833	9200	7.71	11
	37.7919	107.6833	9200	7.58	3
	37.7919	107.6833	9200	7.76	3
	37.7919	107.6833	9200	6.92	1
	37.4788	107.4005	9220	4.93	0.5
	37.4788	107.4005	9220	4.95	
	37.4788	107.4005	9220	7.39	
	37.4788	107.4005	9220	7.93	5
	37.4788	107.4005	9220	7.95	7
	37.4788	107.4005	9220	7.73	12.9
	37.4788	107.4005	9220	7.9	13.5
	37.4788	107.4005	9220	6.34	9.5
	37.4788	107.4005	9220	5.07	3
at 1430	37.4788	107.4005	9220	4.29	0
	37.4788	107.4005	9220	4.45	0.09
	37.4788	107.4005	9220	4.53	0
	37.4788	107.4005	9220	4.3	1
	37.4788	107.4005	9220	4.57	1.5
	37.4788	107.4005	9220	7.73	6.5
	37.4788	107.4005	9220	7.8	11
	37.4788	107.4005	9220	7.84	17
	37.4788	107.4005	9220	7.83	8
	37.4788	107.4005	9220	7.6	10.5
	37.4788	107.4005	9220	7.86	8.5
	37.4788	107.4005	9220	7.95	1
	37.4788	107.4005	9220	7.59	0.5
	37.4788	107.4005	9220	6.16	0
	37.4788	107.4005	9220	5.38	1
	37.4788	107.4005	9220	5.27	1
	37.4788	107.4005	9220	6.01	2.5
	37.4788	107.4005	9220	7.51	3
				7.71	9.5
				8.18	11.5
s				7.74	13
				7.83	10
				7.67	3
				7.62	2.5
				6.92	1

	7.3	
5.6	4.6	
	7.46	7.69
	7.42	7.53
	7.47	7.58
	7.65	7.6
	7.46	7.55
	7.53	7.63
	5.81	7.47
	7.46	7.78
	7.02	7.6
	7.48	7.6
	8.22	7.69
	7.54	7.56
	7.57	7.61
	7.35	7.6
	5.81	7.54
	7.2	7.79
	7.49	7.68
	7.37	7.41
	7.97	7.58
	7.76	7.61
	7.61	7.56
	7.37	7.6
	6.02	7.48
	6.89	7.08
	7	7.56
	6.93	7.38
	6.81	7.52
	7.39	7.39
	7.24	7.58
		7.63
	7.69	7.61
	7.62	7.23
	7.54	7.25
	6.29	6.35
	6.46	7.04
	6.35	6.51
	6.62	6.69
	6.81	6.72
	6.25	6.57
		6.54
	6.66	6.57
	6.84	6.62
	7.26	7.17
	6.73	7.07
	6.8	7.47
		11.2

	6.78	7.05	1.3
	6.81	7.18	1.6
	7.21	7.21	5.3
	7.21	7.42	13
	7.58		
	7.62	7.58	3
	7.57	7.24	6.7
	7.5	7.32	7.3
299	6.8		1.8
413	7.5		6.7
127	6.7		11.2
61	5.4		0.7
66	5.4		3.2
551	6.9		5.5
414	6.9		6.3
143	6.8		5
162	6.5		6.5
1090	7		6.1
157	6.9		11.9
105	6.5		3.7

field Cond.lab cond.	HARD_MG as CaCO3=	Field Alk mg/l	Phen_Alk Mg/l	Total alk. Mg/l	ACIDITY	CA_TOT_M Ca_DIS_M Ca as CaCC	Totals
	224	0	34		58.23	57.243	
	200	0	36		60.554	59.858	
	194	0	36		61.395	61.094	
	112	0	32		36.01	36.064	
	82	0	30		28.026	27.616	
	66	0	26		23.169	22.634	
	126	0	32		43.353	43.312	
	164	0	36		49.262	48.908	
	176	0	34		55.036	54.632	
	180	0	34		72.389	71.407	
	300	0	38		86.761	82.378	
	248	0	32		69.347	67.244	
	228	0	34		73.716	72.369	
	200	0	30		75.097	72.555	
	86	0	24		29.69	28.418	
	68	0	20		23.666	21.593	
	132	0	30		47.793	46.441	
	108	0	30		39.13	38.089	
	138	0	32		47.626	46.179	
	98	0	32		37.249	36.677	
	136	0	34		47.937	47.09	
	164	0	32		56.488	54.695	
	172	0	36		61.496	60.315	
	184	0	34		65.723	59.973	
	90	0	34		60.951	60.348	
	188	0	28		61.889	61.57	
	188	0	30		61.633	61.816	
	194	0	28		60.165	59.935	
	190	0	28		62.472	62.051	
	176	0	30		60.818	60.31	
	200	0	30		61.273	60.474	
	148	0	26		53.222	52.954	
	136	0	28		53.655	50.255	
	156	0	30		55.106	52.158	
	148	0	26		49.135	45.948	
	138	0	32		45.625	44.026	
	98	0	28		31.106	29.999	
	92	0	26		29.415	29.426	
	132	0	28		40.383	39.298	
	54	0	20		25.109	24.508	
	70	0	22		22.617	22.005	
	102	0	30		34.501	32.186	

138	0	36	66.714	64.672
100	0	32	49.517	48.627
142	0	36		
154	0	36		
164	0	34	52.745	51.896
156	0	32	55.617	52.561
158	0	34	57.328	50.329
154	0	32	51.245	49.928
152	0	34	50.183	49.409
140	0	34	52.719	52.254
128	0	34	44.996	44.771
132	0	36	44.96	44.536
134	0	34	43.523	42.813
124	0	30	41.82	41.11
122	0	32	42.937	39.071
94	0	28	31.056	30.844
88	0	26	31.176	27.73
120	0	30	40.11	39.382
48	0	18	21.834	25.894
66	0	22	22.344	22.404
96	0	28	32.221	33.281
132	0	34	63.184	64.821
104	0	32	49.062	52.625
130	0	36		
138	0	32		
296	0	2	93.824	93.594
316	0	2	99.806	96.567
148	0	10	47.688	46.971
108	0	14	35.04	34.331
			26.173	25.277
74	0	20	28.381	28.175
180	0	10	61.093	59.509
240	0	4	70.871	70.118
276	0	2	91.045	88.437
292	0	2	115.484	106.333
392	0	0	128.872	128.502
344	0	2	105.209	100.79
332	0	0	104.899	102.717
364	0	0	123.77	119.318
272	0	0	100.858	98.271
110	0	10	35.578	35.28
80	0	12	26.627	25.871
192	0	6	69.713	64.045
146	0	12	50.96	50.544
178	0	8	65.752	62.82
132	0	18	46.937	46.266
226	0	8	69.133	66.814

232	0	6	83.966	
268	0	2	88.988	88.716
284	0	2	103.364	102.895
288	0	2	95.025	93.756
206	0	4	69.336	67.209
168	0	8	52.93	51.764
54	0	14	18.219	17.975
80	0	14	26.919	26.073
128	0	14	52.756	43.122
202	0	8	97.459	96.162
36	0	16	64.984	63.838
208	0	8		
240	0	6		
292	0	2	98.809	95.046
316	0	2	106.162	105.485
146	0	10	52.32	51.748
104	0	14	37.133	32.383
76	0	18	27.986	27.533
180	0	10	65.18	65.261
244	0	4	70.604	70.116
284	0	4	95.079	90.028
316	0	2	94.945	94.415
396	0	0	131.895	130.739
352	0	2	106.931	102.958
352	0	0	109.887	108.394
376	0	0	124.779	124.067
268	0	0	100.854	100.632
112	0	10	35.698	35.464
80	0	12	27.595	26.799
180	0	6	68.281	64.323
144	0	14	48.756	47.893
182	0	8	64.875	64.663
130	0	18	46.417	45.954
200	0	8	68.938	68.144
232	0	8	80.164	79.932
268	0	4	82.549	81.277
284	0	2	101.538	96.997
292	0	2	93.159	92.05
204	0	4	64.204	63.969
168	0	8	52.246	51.497
54	0	14	23.859	23.797
80	0	14	27.95	27.228
126	0	14	57.787	56.981
200	0	10	100.504	100.247
120	0	16	62.62	62.726
204	0	8		
238	0	6		

		26	16.4	10	9.4
		120	<2	38	36.6
223	501	103			36.7
328	381	154			55
353	332	155			56
223	216	97.5			34.8
213	197	93.6			32.8
329	324	146			53
192	191	77.2			27.6
213	218	103			36.7
319	314	147			52.5
359	315	148			53.4
363	365	152			55.1
224	212	96.9			34.5
211	198	92.9			32.5
323	308	136			49.3
194	191	77.9			27.8
227	221	105			37.4
335	344	163			58.4
407	347	162			58
393	392	160			58
225	215	98.6			35.2
218	200	95.6			33.6
335	324	140			50.6
197	190	79.1			28.3
	80.7	30.8			10.5
	297	124			43.1
	230	105			36.1
	317	122			42.9
	89.8	40.8			14.2
	158	72.1			24.4
	207	95.3			32.9
	392	156			54
	89.6	36.1			12.3
	162	75.7			25.8
	340	357			134
	759	376			141
	670	355			133
	676	336			126
	621	366			137
	626	369			138
	636	343			129
	674	355			134
	663	392			147
	571	342			128
	79.1	135			24.2
	299	127			44

241	110	37.9
284	137	48.2
93.9	41.3	14.4
155	72.2	24.4
209	95.1	32.9
350	157	54.7
88.8	36.2	12.3
155	71.8	24.5
290	125	44.7
227	101	36
392	175	62.8
687	352	128
568	252	91.5
188	78.8	28
266	123	43.8
399	183	65.8
392	177	63.8
152	61.6	21.9
387	184	66
464	216	77.8

MG_TOT_IMG_DIS_MAL_TOT	AL_DIS	AG_TOT	AG_DIS	AS_TOT	AS_DIS	AU_DIS	B_TOT
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3.088	3.109	146	60		0	0	
3.131	3.039	145	71		0	0	
3.119	3.137	143	78		0	0	
2.402	2.366	95	62		0	0	
1.817	1.787	90	44		0	0	
1.634	1.649	180	53		0	0	
2.55	2.572	56	41		0	0	
2.73	2.712	67	47		0	0	
2.819	2.792	70	64		0	0	
3.432	3.444	91	83		0	0	
4.596	4.355	104	86		0	0	
3.784	3.666	155	35		0	0	
3.821	3.788	181	52		0	0	
3.95	3.784	262	63		0	0	
1.843	1.834	211	105		0	0	
1.651	1.546	133	55		0	0	
2.771	2.699	75	62		0	0	
2.782	2.678	309	79		0	0	
4.027	3.84	332	69		0	0	
2.677	2.723	263	100		0	0	
2.797	2.732	148	42		0	0	
3.314	3.187	111	30		0	0	
3.922	3.853	186	28		0	0	
3.934	3.429	194	48		0	0	
3.849	3.854	304	49		0	0	
4.134	4.136	627	80		0	0	
4.034	4.051	552	60		0	0	
4.14	4.117	745	93		0	0	
4.133	4.165	609	81		0	0	
4.058	4.058	607	103		0	0	
3.8	3.848	639	86		0	0	
3.529	3.434	1122	93		0	0	
3.615	3.22	545	100		0	0	
3.721	3.31	384	65		0	0	
3.401	2.777	601	111		0	0	
3.09	2.945	410	79		0	0	
1.868	1.913	335	110		0	0	
2.119	2.1	379	115		0	0	
2.587	2.515	287	58		0	0	
1.789	1.588	644	70		0	0	
1.703	1.648	204	79		0	0	
2.559	2.291	459	108		0	0	

3.397	3.31	120	70	0	0
3.106	3.031	316	90	0	0
3.185	3.202	21	21	0	0
3.216	2.89	27	23	0	0
3.342	2.564	28	0	0	0
2.609	2.533	32	23	0	0
2.537	2.589	34	23	0	0
3.071	3.074	29	20	0	0
2.776	2.716	189	33	0	0
2.755	2.716	57	17	0	0
2.312	2.301	54	27	0	0
2.668	2.715	91	33	0	0
2.762	2.347	74	27	0	0
2.051	2.012	245	51	0	0
1.983	2.176	290	55	0	0
2.652	2.645	70	32	0	0
1.888	1.404	673	36	0	0
1.603	1.596	236	57	0	0
2.543	2.456	276	62	0	0
3.458	3.357	87	43	0	0
3.612	3.34	370	93	0	0
6.697	6.714	3347	1404	0	0
7.08	6.513	3144	1415	0	0
3.54	3.46	1074	29	0	0
2.527	2.462	760	19	0	0
2.079	1.992	552	47	0	0
2.124	2.113	532	60	0	0
4.223	4.072	1455	31	0	0
4.546	4.457	1984	136	0	0
5.874	6.049	2428	284	0	0
6.509	5.997	2653	722	0	0
8.568	8.628	5993	2825	0	0
6.735	6.428	3790	2675	0	0
6.912	6.81	4808	3268	0	0
7.572	7.074	4906	4197	0	0
5.85	5.661	3665	624	0	0
2.519	2.483	1137	38	0	0
2.066	1.988	484	33	0	0
4.626	4.105	2117	76	0	0
3.796	3.768	1466	55	0	0
5.051	4.688	1968	67	0	0
3.611	3.558	1187	40	0	0
4.7	4.55	2380	41	0	0

5.57		3105			0
6.149	6.189	3431	627	0	0
6.992	6.969	4659	882	0	0
6.812	6.714	4799	1056	0	0
4.93	4.532	1996	202	0	0
3.666	3.599	1740	50	0	0
1.603	1.465	968	92	0	0
2.508	1.963	618	63	0	0
3.474	3.216	1349	80	0	0
6.095	6.029	2220	65	0	0
4.428	4.489	1433	55	0	0
6.273	5.933	3805	1610	0	0
6.084	6.063	4109	1927	0	0
3.342	3.319	1019	38	0	0
2.344	2.407	689	26	0	0
2.14	2.102	548	51	0	0
4.271	4.32	1559	44	0	0
4.527	4.47	2076	99	0	0
6.299	5.97	2644	259	0	0
5.451	5.398	2761	786	0	0
8.693	8.41	5606	3020	0	0
7.071	6.789	4214	2906	0	0
6.981	6.869	4722	3721	0	0
7.593	7.498	5042	4221	0	0
6.392	6.357	3824	646	0	0
2.449	2.4	1239	34	0	0
2.17	2.088	496	37	0	0
4.64	3.91	2175	86	0	0
3.707	3.629	1480	55	0	0
4.921	4.887	2192	69	0	0
3.603	3.634	1200	40	0	0
4.533	4.415	2341	41	0	0
5.205	5.218	3351	284	0	0
5.604	5.359	3501	612	0	0
6.905	6.191	4204	878	0	0
6.511	6.508	4282	1098	0	0
4.595	4.332	2529	207	0	0
3.631	3.576	1987	39	0	0
1.73	1.615	919	93	0	0
2.636	2.575	688	68	0	0
3.799	3.794	1393	86	0	0
6.406	6.476	1578	56	0	0
4.445	4.413	1395	39	0	0

0.7	0.7	40<30		<.05	<.05	<2	<2
7.1	6.9	4003	3900	<0.3	<0.5	<1	<2
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	3.46		55		0		0
	2.02		0		0		0
	2.7		0		0		0
	3.78		57		0		0
	3.64		0		0		0
	3.49		0		0		0
	2.6		0		0		0
	2.86		0		0		0
	3.21		63		0		0
	2.04		0		0		0
	2.72		0		0		0
	4.15		88		0		0
	4.11		0		0		0
	3.67		51		0		0
	2.62		0		0		0
	2.86		50		0		0
	3.26		62		0		0
	2.06		0		0		0
	1.14	<50		<0.1			11.8
	4.05		300	<0.1		<0.5	
	3.62		50	<0.1		<0.5	
	3.68	356	62	<0.1		5.5<0.5	
	1.31	279<50		<0.1	<5	<0.5	
	2.71	1070	102	<0.1		6.1<0.5	
	3.17	50<50		<0.1	<5	<0.5	
<0.5		1120	50	<0.1	<5	<0.5	
	1.3	1640<50		<0.1		1.1<0.5	
	2.75	1210	106	<0.1	<5	<0.5	
	5.31		266	<0.1			1.3
	5.66		679	<0.1			0.8
	5.57		774	<0.1			1
	5.12	1310	437	<0.1		389	1
	5.54	1390	402	<0.1		23.8	1.1
	5.52	1570	542	<0.1		580<0.5	
	5.17	854	742	<0.1		0.6	0.8
	5.34	1880	755	<0.1		96.8<0.5	
	5.79	1230	501	<0.1		54.1	0.8
	5.22	811	112	<0.1		29.7<0.5	
	18.1	<50			0.2		0.9
	4.11		222	<0.1		<0.5	

3.68		64	<0.1		0.5
4.11	616	65	<0.1	<5	<0.5
1.32	324<50		<0.1	<5	<0.5
2.73	981	102	<0.1		7.1<0.5
3.15	52<50		<0.1	<5	<0.5
5.04	1180	54	<0.1	<5	<0.5
1.32	1280<50		<0.1		1<0.5
2.61	1140	103	<0.1	<5	0.5
3.29	1060	19.1		< 0.005	
2.62	714	19.5		< 0.005	
4.46	1410	20.7		< 0.005	
7.65	3850	2050		< 0.005	
5.79	2760	737		0.089	
2.18	438	16.6		< 0.005	
3.41	864	21.4		< 0.005	
4.47	1390	20.8		< 0.020	
4.23	1950	54.6		< 0.020	
1.68	1650	57.1		< 0.020	
4.7	1740	52.2		< 0.020	
5.27	2020	68.6		< 0.020	

B\_DIS BR\_DIS SB\_TOT SB\_DIS BA\_TOT BA\_DIS BE\_TOT BE\_DIS CO\_TOT CO\_DIS

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	<4	<4	25	21	<.05	<.05	<10	<10
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0		0		26.7		0		0
0		0		25.1		0		0
0		0		32.2		0		0.1
0		0		35.2		0		0.6
0		0		30.4		0		0.1
0		0		30.7		0		0.2
0		0		23.2		0		0
0		0		24.5		0		0
0		0		24.7		0		0
0		0		22.4		0		0
0		0		31.6		0		0.1
0		0		34.6		0		0.6
0		0		29.8		0		0
0		0		28.1		0		0.3
0		0		22.9		0		0.2
0		0		26.4		0		0
0		0.7		22.2		0		0.8
0		0		23.6		0		0.4
0		0		31.7		0		0.2
0		0		34.8		0		0.6
0		0		31.6		0		0.2
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<300		<0.5		13.2		<0.5		0.7
<300		<0.5		13.3		<0.5		0.7
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<300		<0.5		24.6<0.5		<0.5		0.4
<300		<0.5		26.4	10.3<0.5		<0.1	
<300		<0.5		20.2<0.5		<0.5		0.7
<300		<0.5		26.5<0.5		<0.5	<0.1	
<300		<0.5		9.3	0.6<0.5			0.5
<300		1.2		32.6	1.9<0.5			0.6
<300		1		20.8		0.6		3.7
<300		<0.5		20.3		1		4.1
<300		0.6		21		1.2		5
<300		0.6		23	11.2	0.9		5.2
<300		0.6		29.9	1.2	0.9		4.6
<300		<0.5		27.8	9.2<0.5			4.5
<300		<0.5		22.3	0.9	1		4.7
<300		<0.5		26.1<0.5	<0.5			5.7
<300		<0.5		20	1	0.8		4.2
<300		3		33.2	0.9			4.3
842		<0.5		13.6	<0.5			0.4
<300		<0.5		13.6	<0.5			0.8

<300	<0.5	13.2	<0.5	1
<300	<0.5	14.8	<0.5	2.2
<300	<0.5	24.2	<0.5	0.4
<300	<0.5	26	8.1 <0.5	<0.1
<300	<0.5	23.9	<0.5	0.7
<300	<0.5	23.1	3.5 <0.5	<0.1
<300	<0.5	21.4	0.7 <0.5	0.5
<300	<0.5	32.4	0.9 <0.5	0.6

CD_TOT	CD_DIS	CU_TOT	CU_DIS	CR_TOT	CR_DIS	CN_TOT_NFE_TOT	FE_DIS	Ferrous
1.34	1.33	5.1	2.7			336	146	
1.39	1.3	4.7	2.6			317	142	
1.14	1.07	5.9	4.5			277	155	
1.12	1.07	7	8			128	46	
0.85	0.84	9.1	6.8			76	23	
0.78	0.72	6.2	5.2			115	34	
1.08	0.99	4.6	4.1			74	37	
1.17	1.11	4.2	5.8			115	84	
1.3	1.28	4.9	5.5			122	110	
1.34	1.23	5.4	3.9			160	46	
1.92	1.9	5.1	3.7			167	50	
1.64	1.65	4.8	3			200	82	
1.63	1.59	5.3	0			257	26	
3.07	2.81	17.2	5.4			274	14	
1.42	1.31	15.7	12.2			157	80	
0.95	1.01	6.7	5			85	28	
0.76	0.74	4.6	3.8			104	80	
1.44	1.3	7.8	4.9			203	51	
1.7	1.64	9.4	5.2			377	46	
1.75	1.69	12.4	8.3			125	76	
1.53	1.47	9	3.4			243	15	
2.27	2.2	4.8	2			188	62	
1.92	1.79	8.5	2.9			353	66	
1.8	1.82	8.2	2.3			377	69	
2.26	2.11	12.6	2.6			492	27	
4.22	4.03	22.7	3.4			543	20	
4.11	3.97	22.9	3.8			392	38	
4.97	4.84	29.3	5			507	22	
4.37	4.27	26.6	6.1			408	64	
4.58	4.46	26.4	5.2			410	45	
4.5	4.51	29.4	6.6			441	89	
4.17	3.91	45.4	7.6			1087	111	
3.71	3.64	23.7	7.2			464	123	
3.58	3.44	58.3	17.4			331	90	
3.31	3.25	24.7	7.7			375	32	
2.7	2.57	19.6	7.1			274	53	
1.77	1.65	24.2	11.9			270	46	
1.77	1.64	24.1	12.4			279	71	
2.33	2.12	18.2	5.3			250	21	
1.24	0.88	15.3	5.3			651	28	
0.91	0.9	5.3	3.2			118	38	
0.95	0.89	7	3.8			307	67	

1.2	1.1	5.9	3.3		163	42
1.32	1.29	11.6	5.8		129	32
0.55	0.51	0	0		194	85
0.5	0.38	0	0		104	77
0.45	0.47	0	0		154	98
0.46	0.41	0	0		100	69
0.45	0.44	0	0		103	83
0.45	0.36	0	0		96	74
0.56	0.49	3.2	0		394	125
0.43	0.47	0	0		114	60
0.43	0.41	0	0		113	35
0.67	0.63	3.3	0		196	103
0.52	0.59	3.2	2		100	50
1.29	1.15	27.4	12.6		219	32
1.34	1.15	26.1	15.8		226	68
0.87	0.78	9.3	9.1		77	28
1.3	0.91	16.7	4.7		673	24
0.92	0.86	5.3	3		92	16
0.81	0.77	4.6	2.5		103	31
0.85	0.76	2.6	0		29	0
1.28	1.34	11.1	6.8		58	26
2.08	2.08	27.7	21.4		5485	1604
2.2	2.11	25.6	19.8		5473	2558
1.5	1.41	18.4	11.6		2301	1298
1.1	1.03	17.2	5.8		1491	462
0.81	0.77	12.9	6.5		1196	576
0.7	0.64	10.3	5.8		1057	507
1.43	1.38	16	6.6		2281	882
1.71	1.66	18.7	10.2		3000	1433
1.86	1.85	19.9	12.5		3983	2144
2.03	2	21.2	18.5		5417	2476
2.44	2.42	32.9	25.7		14396	4305
2.21	2.25	20.4	19		4741	2364
2.22	2.12	22.7	20.6		7643	2742
2.68	2.77	26.3	24.8		9279	4066
2.78	2.64	27.4	17.4		7160	3626
1.54	1.45	24.9	10.2		2134	1163
0.91	0.93	11.6	5.3		930	389
1.34	1.25	15.9	6.1		1962	682
1.51	1.46	15.6	5.9		1826	869
1.95	1.87	24.3	8.1		3920	1245
1.73	1.57	21	5.7		1883	824
1.78	1.7	21.2	4.9		3727	1865

2.06		20		3919	
2.04	1.97	19.4	11.1	5096	2049
2.28	2.14	22.8	13.8	6972	3536
2.31	2.24	22.6	14.5	7214	3276
2.79	2.65	23.5	10.7	3580	2153
2.2	2.13	25.4	7.9	3296	1964
0.93	0.7	14.4	4.9	1351	201
1	0.74	9.1	3	708	319
1.07	1	12.7	3.4	1219	362
1.61	1.57	14.5	3.7	2241	668
1.41	1.29	16.9	3.2	1503	208

2.34	2.23	31.5	23.8	6509	1769
2.41	2.37	31.7	24.8	7800	3291
1.58	1.51	17.9	10.2	2377	1380
0.96	0.99	16.3	7.7	1362	392
0.66	0.63	10.2	5.3	1061	568
1.4	1.39	16.3	7.9	2487	971
1.72	1.61	18.8	10.6	3116	1518
1.93	1.75	21.3	12.2	4306	2164
2.17	2.07	22.5	18.6	6104	2830
2.52	2.42	29.1	25.4	11600	4571
2.35	2.28	21.6	19.6	4701	2026
2.26	2.21	23	21.2	7905	2698
2.91	2.75	26.9	24.6	8630	4057
2.84	2.68	29.2	18.8	6900	3597
1.53	1.45	24.9	9.6	2192	1232
0.93	0.81	12.6	5.4	1013	458
1.29	1.25	15.6	6	2067	699
1.51	1.41	14.9	4.6	1834	926
2.01	1.86	24.8	8.2	3788	1278
1.72	1.56	20.7	5.8	1888	940
1.93	1.74	18.5	5.2	3786	1898
2.11	2.07	20.9	9.6	4130	2181
2.09	1.97	19.8	10.2	5222	1934
2.37	2.23	23.7	13.5	7562	3484
2.3	2.33	22.1	15.2	6601	3252
2.75	2.74	26.9	11.8	3763	2230
2.2	2.12	27.6	6	3524	1868
0.88	0.71	14.2	5.7	1230	235
0.95	0.87	9.2	3.5	767	299
1.03	0.84	12.8	4.3	1196	414
1.54	1.61	11.5	3.8	1820	714
1.36	1.26	17	3.4	1488	164

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42.5	44	1520	1490	<3	<5		590	120
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	0		0		0			0
	0.4		0.8		0			0
	0.9		20		0			0
	1.7		6.2		0			0
	0.5		1.1		0			0
	1.5		10.7		0			0
	0.8		2.7		0			0
	0		0		0			0
	0.5		0		0			0
	0.4		0.6		0			0
	0.9		2.2		0			0
	1.8		5.9		0			0
	0.4		0.9		0			0
	1.5		11.8		0			0
	0.8		2.5		0			0
	0		0		0			0
	1		9.2		0		512	
	0.8		1.3		0		233	
	1		2.7		0			0
	1.9		7.2		0			0
	0.7		1.2		0			0
	1.5		10.6		0			0
	1.3		2.9	<1			<50	
	3		3.5	<1			<50	
	3.4		4	<1			<50	
29.9	2.6	428	7<10	<1		<50	<50	
1.7	1.7	11.4	6.3<10	<1			100<50	
22.7	2.4	145	3.4<10	<1			66<50	
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4.2	5<10		2.3<10	<1			62<50	
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3.4	3.1	20.1	4.5<10	<1			374<50	
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	14.3		2100	<1			<50	
	16.9		2470	<1			<50	
163	15.5	58200	1570<10	<1			8210<50	
11.9	14.6	5090	1560<10	<1			901<50	
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13.7	13.1	5100	1660<10	<1			8590<50	
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1.5		17.2	3.6		2350	1100
2.38		21.3	17.3		7020	3330
2.45		21.6	14.6		4670	2750
0.893		8.8	2.5		976	378
1.33		19.4	3.1		2210	394
1.7		17.2	3.5		2660	1190
2.2		23.3	6.7		4470	2080
0.886		35.3	4		6740	179
1.22		15.6	2.7		2240	605
1.6		16.1	4.9		3320	1490

HG_TOT_NHG_DIS_MLI_TOT	LI_DIS	MN_TOT	MN_DIS	NI_TOT	NI_DIS	PB_TOT	PB_DIS
	2284	2292.9		0	0		
	2746.4	2623.3		3	0		
	2855.8	2728.1		0	0		
	818.8	788		3.4	0		
	564.2	546.6		0	0		
	722.3	716.5		0	0		
	1023.5	990.9		0	0		
	943.1	944		0	0		
	1101.3	1079.4		0	0		
	1668.5	1645.7		3.6	0		
	2717.8	2623		0	0		
	2658.9	2663.2		0	0		
	2971.8	2966.5		3.3	0		
	3554.1	3553.4		5.6	0		
	980.2	951		6.8	0		
	523.6	503.3		0	0		
	687.2	665.6		0	0		
	1181.7	1134.5		4.8	0		
	1506.4	1422.9		6.5	0		
	1165.7	1176.7		0	0		
	1233.2	1213.7		0	0		
	2442.4	2398.6		0	0		
	2254.2	2234.4		0	0		
	2579.3	2346.6		0	0		
	3035.8	3023.7		3.1	0		
	4664.8	4601.2		10.5	4		
	4492.4	4491.2		8.3	4.3		
	5852.3	5774.8		11.7	4.3		
	4909.8	4898.4		8.5	3.9		
	4965.8	4862.6		8.2	4.3		
	4902.9	4708.8		8.9	4.8		
	4853.7	4871.6		25.5	4.6		
	3595.4	3409.3		9.6	4.5		
	3686.3	3671		8	4.2		
	3322.5	3338.5		10	4.4		
	2493.3	2215		6.6	3.8		
	1042.2	1033.5		12.4	4		
	978.5	940.9		9.8	3.7		
	1820.2	1731.8		7	4		
	603.2	377.4		42.4	3		
	519.5	493.2		5.3	3.1		
	946.7	880.7		7.8	3.5		

961.2	928	0	0
716.3	699.8	0	0

291.2	283.4	0	0
214.8	210.4	4.1	3.4
216.4	206.6	4.6	4.1
199.9	195.5	4.6	3.7
192.9	191	5.2	3.8
202.1	203.2	3.8	3
370.7	348.6	10.4	3.1
215.4	208.5	4.6	0
203.2	203.1	4.3	3.2
266.6	261.4	5.6	0
156.6	148.9	4.6	4
306.9	267.6	16.8	3.4
270.2	243.4	8.6	3.7
196.3	186.2	4.9	0
485	217.1	49.1	0
374	355.4	5.7	3.1
301.2	287.5	5	0
341.8	331.2	0	0
526.4	492.4	0	0

1948.9	1865.2	9.4	3.4
2009.6	1931.4	8	3.9
891.5	865.5	7.1	0
557.3	512.1	5	0
359.2	331.8	5.6	0
460.6	432.3	4.1	0
1075	1083.1	4.2	0
1166.3	1121.2	5.4	0
1379	1353.8	6.3	0
1804.7	1749.9	6.5	0
2004.4	1934.6	13.7	4.3
2088.4	2087	6.1	3.4
2091.6	1991.2	8	3.4
3289.8	3199.5	9	3.8
2467.5	2363.6	12	0
741	715.2	8.2	0
384.5	376.4	3.7	0
903.5	848.6	4.7	0
906	872.3	6.8	0
1262.8	1266.4	11.8	0
901.2	862.1	4.4	0
1243.2	1218	4.5	0

1625.2		4.9	
1876.3	1876.2	5.2	0
2214.2	2127.2	6.8	0
2252.2	2193.1	6.3	0
2188.6	2046.6	12.9	7.8
1405	1395.9	11.5	6.7
382.9	264.4	26.9	4.6
456.7	411.3	8	3.2
704.9	670.9	9.9	4.2
1152.2	1136.1	0	0
756	742.6	3.6	0

2135.5	2059	9	3.6
2319.2	2213.3	8.4	3.2
895.1	910.5	5.8	0
491.2	510.1	4	0
420.7	402.9	3.8	0
1070.7	1067.4	4.5	0
1194.9	1168.1	5	0
1456.2	1361.2	5.9	0
1760.9	1733.5	6.3	0
2203.6	2200.6	10.3	4.1
2261.7	2173.8	5	0
2283.2	2260.1	6.6	0
3565.6	3474.2	7.3	3.7
2329	2270.7	10	0
632.4	605.6	8.8	0
396.9	377.9	4	0
867.8	851.5	4.7	0
906.3	876.4	6.9	0
1327	1297.1	10.6	0
877.4	854.6	4.4	0
1296.2	1244.5	4.4	0
1668.8	1601.6	5.2	0
1878.9	1837.5	5.2	0
2221.7	2213.5	6.6	0
2286.9	2263.2	5.4	0
2100.2	2119.3	15	7.4
1434	1405.4	12.5	7
347.7	243.1	25.3	3.8
465.7	432.4	7.6	3.3
740.2	711.4	9.7	4.9
1151.6	1167.9	0	0
748.4	732.9	3.3	0

<0.2		132	119	<8	<8	7.6	2.7
<0.2		4880	4800	15	18	1440	1390
0	0	270		1.3		0	
0	0	294		0		0	
0	0	7.5		1.9		0	
0	0	274		1.5		0	
0	0	731		1.9		0	
0	0	18.4		1.6		0	
0	0	233		1.4		0	
0	2.7	253		1.2		0	
0	0	52.7		0		0	
0	0	8.6		2		0	
0	0	12.9		1.7		0	
0	0	272		1.5		0	
0	0	751		1.9		0	
0	0	9.5		1.4		0	
0	0	243		1.4		0	
0	0	378		1.2		0	
0	0	515		0		0	
0	0	1060		2.5		0	
0	0	584		1.9		0	
0	0	346		1.5		0	
0	0	810		1.9		0	
0	0	308		1.5		0	
0	0	331		1.5		0	
<0.2	<100	731		1.4		<0.5	
<0.2	<100	2270		2.8		0.6	
<0.2	<100	1700		3		<0.5	
<0.2	<100	1270	1270	38	3.3	12.1<0.5	
<0.2	<100	407	418	1.1	1.1	2.5<0.5	
<0.2	<100	2000	1810	29.2<0.5		34.3<0.5	
<0.2	<100	2010	1950	3	2.7<5	<0.5	
<0.2	<100	1950	1790<5	<0.5	<5	<0.5	
<0.2	<100	1030	1060	2	1.5	23.3<0.5	
<0.2	<100	1620	1400	2.8	2.4	8.3<0.5	
<0.2	<100	2580		10.4		<0.5	
<0.2	<100	2650		6.6		<0.5	
<0.2	<100	2910		7.3		<0.5	
<0.2	<100	3130	2910	113	7.3	137<0.5	
<0.2	<100	2430	2590	6.9	7.3	11<0.5	
<0.2	<100	3160	2910	89.7	7.5	172<0.5	
<0.2	<100	2770	2840	7.9	8<5	<0.5	
<0.2	<100	3450	3180	8.1	8.1	24.6<0.5	
<0.2	<100	2700	2450	10.2	7.8	8.4<0.5	
<0.2	<100	2850	2660	8.7	6.8<5	<0.5	
<0.2	<100	681		415		46.8	
<0.2	<100	2430		3.1		0.6	

<0.2	<100		1650		3.1	<0.5
<0.2	<100	1470	1480	37.3	3.8	21.3
<0.2	<100	417	465	1.2	1.1	2.9<0.5
<0.2	<100	1990	1820	25<0.5		29<0.5
<0.2	<100	2030	1980	3	2.9<5	<0.5
<0.2	<100	1560	1370<5	<0.5		6.6<0.5
<0.2	<100	1220	1090	2.6	1.5	16.6<0.5
<0.2	<100	1490	1270	2.6	2<5	<0.5
< 0.005		846	794			0.07
< 0.005		493	497			< 0.025
< 0.005		987	959			< 0.025
< 0.005		2000	2170			1.42
< 0.005		1870	1970			1.35
< 0.005		377	381			0.039
< 0.005		732	679			0.039
< 0.005		1060	1080			< 0.040
< 0.005		1720	1820			0.16
0.009		744	334			0.783
< 0.005		887	971			0.102
< 0.005		1300	1390			0.044

SE_TOT	SE_DIS	SR_TOT	SR_DIS	TL_TOT	TL_DIS	V_TOT	V_DIS	ZN_TOT	ZN_DIS
0	0					485.4	459.9		
0	0					489.5	468.8		
0	0					527.8	510.3		
0	0					390.4	376.6		
0	0					278.4	266.7		
0	0					230.6	223		
0	0					289.7	271.5		
0	0					274.1	266.7		
0	0					342.2	338		
0	0					397	378.4		
0	0					591.2	586		
0	0					528.2	511.2		
0	0					571.2	534.4		
0	0					869.2	802.1		
0	0					419.6	393.6		
0	0					277.7	269.6		
0	0					186.1	175.5		
0	0					384.5	351.2		
0	0					384	344.2		
0	0					406.9	389		
0	0					443.9	413.6		
0	0					660.6	628.3		
0	0					565	536.7		
0	0					576.6	534.7		
0	0					703.1	641		
0	0					1091.3	1018.6		
0	0					1114.8	1061.7		
0	0					1262.7	1179.9		
0	0					1182.8	1125.8		
0	0					1148.4	1086.1		
0	0					1219.4	1179.3		
0	0					1203.8	1058.5		
0	0					1009.3	972.5		
0	0					1006.1	923		
0	0					883.5	834.2		
0	0					731.5	705.3		
0	0					503.7	470.9		
0	0					524.1	490.8		
0	0					699.5	633.2		
0	0					339.6	263.5		
0	0					252.9	239.3		
0	0					264.3	229.3		

0	0		297.3	270
0	0		372.1	333.8
0	0		250.2	244.1
0	0		200.9	200
0	0		230.5	227.9
0	0		198.8	195.3
0	0		198.1	195.7
0	0		218.7	219.5
0	0		255.4	236.4
0	0		211.9	208.2
0	0		209.2	201.8
0	0		270.7	254.7
0	0		237.7	237.5
0	0		452.1	399
0	0		431.3	426.5
0	0		354.5	342.8
0	0		373.7	277.5
0	0		275.8	273.1
0	0		208.6	187.4
0	0		235.9	224.1
0	0		354.3	358.8
0	0		767.1	745.2
0	0		819.1	778
0	0		499.6	477
0	0		321.7	293.6
0	0		258.1	238.2
0	0		214.8	198.8
0	0		474	450
0	0		556.5	521.5
0	0		631.1	636
0	0		779.6	743
0	0		927.3	893.9
0	0		822.1	818.1
0	0		860.5	803
0	0		1101.1	1100.8
0	0		935.8	906.3
0	0		434.8	414.6
0	0		251.3	230.9
0	0		428.7	402.6
0	0		441.3	399.2
0	0		539.2	498.3
0	0		432.9	380.2
0	0		575.7	534

	0	700.3	
0	0	715	697.8
0	0	849.5	823.6
0	0	866.3	844.4
0	0	855.8	806.4
0	0	679.8	646.8
0	0	237.2	190.5
0	0	244.4	227.4
0	0	293.3	258.6
0	0	519.6	491.1
0	0	389.7	355.1
0	0	800.2	768.2
0	0	889.8	872.7
0	0	500.5	470.9
0	0	315.8	303.9
0	0	201.6	183.6
0	0	473.7	443.2
0	0	555.6	524
0	0	661.4	600.1
0	0	814	802.1
0	0	961.8	937.3
0	0	862.4	850.4
0	0	887.4	870.2
0	0	1167	1121.5
0	0	956.6	910.4
0	0	425	396.5
0	0	259.3	230.4
0	0	430.4	395.7
0	0	430.2	390.5
0	0	530	490.8
0	0	421	375.2
0	0	591.9	557.7
0	0	709.9	692.7
0	0	732.9	713.8
0	0	866.2	829.7
0	0	859.3	838.6
0	0	834.8	829.6
0	0	681.6	641.2
0	0	221.2	179.6
0	0	259.6	239
0	0	294.8	264.5
0	0	488.5	471.5
0	0	389.2	347.7

<0.1	<0.1	<0.1	<0.1	<5	<5	310	280
<0.5	<0.1	<0.5	<1	<5	<5	7990	7640
0		0		0			218
16.5		0		0			296
0		0		0			204
0		0		0			285
0		0		0			427
0		0		0			207
0		0		0			438
0		0		0			215
0		0		0			222
0		0		0			204
0		0		0			203
0		0		0			284
0		0		0			441
0		0		0			193
0		0		0			445
0		0		0			260
0		0		0			378
0		0.8		0			588
0		0		0			421
0		0		0			307
0		0		0			477
0		0		0			312
0		0		0			479
<1		<0.1		<0.5			162
<1		<0.1		<0.5			659
<1		<0.1		<0.5			975
<10	<1	<0.1		<0.5		869	869
<10	<1	<0.1		<0.5		414	438
<10	<1	<0.1		<0.5		594	505
<10	<1	<0.1		<0.5		642	648
<10	<1	<0.1		<0.5		1690	1630
<10	<1	<0.1		<0.5		343	367
<10	<1	<0.1		<0.5		717	682
	<1	<0.1		<0.5			3400
	<1	<0.1		<0.5			3640
	<1	0.1		<0.5			3620
<10	<1	0.1		<0.5		3490	3580
<10	<1	<0.1		<0.5		2700	3540
<10	<1	<0.1		<0.5		3260	3140
<10	<1	<0.1		<0.5		3230	3300
<10	<1	<0.1		<0.5		4500	4480
<10	<1	<0.1		<0.5		3170	3470
<10	<1	0.2		<0.5		3580	3170
	2.3	<0.1		<0.5			911
	<1	<0.1		<0.5			837

<1		<0.1	<0.5	1140
<1		<0.1	<0.5	1220
<10	<1	<0.1	<0.5	422
<10	<1	<0.1	<0.5	528
<10	<1	<0.1	<0.5	661
<10	<1	<0.1	<0.5	1500
<10	<1	<0.1	<0.5	392
<10	1.6	<0.1	<0.5	794
	0.22			486
	0.16			287
	0.22			475
	0.3			926
	0.28			788
	0.16			266
	0.23			364
	0.28			554
	0.31			722
	0.17			218
	0.28			409
	0.28			557

DIS_OXY_NDO SAT.	TSS_MG	TDS_MG	T_PHOS_MP_DIS_MGPO4_DIS_NSI_TOT_MISI_DIS_MGNA_TOT_N
%			
			2.085
			2.152
			2.362
			1.516
			1.238
			0.908
			1.657
			1.823
			1.924
			2.346
			3.41
			1.682
			1.35
			0.2363
			0.306
			0.595
			0.878
			0.677
			1.019
			0.775
			0.88
			1.103
			1.076
			1.066
			1.03
			1.063
			1.062
			1.046
			1.096
			1.051
			1.011
			0.93
			0.884
			1.049
			0.871
			0.843
			0.434
			0.54
			0.643
			0.292
			0.349
			0.423

0.79  
0.633

0.882  
0.884  
1.048  
0.765  
0.744  
0.933  
0.802  
0.808  
0.686  
0.737  
0.776  
0.53  
0.498  
0.662  
0.299  
0.297  
0.591  
0.752  
0.605

3.808  
4.146  
2.332  
1.664  
1.259  
1.162  
2.379  
2.636  
3.234  
3.518  
4.618  
2.241  
2.143  
2.049  
3.15  
0.543  
0.722  
1.243  
0.947  
1.615  
1.097  
1.286

1.609  
1.633  
1.627  
1.948  
1.463  
1.004  
0.233  
0.555  
0.635  
1.161  
0.9

3.602  
3.46  
2.331  
1.481  
1.164  
2.446  
2.499  
3.431  
2.987  
4.546  
2.424  
2.255  
2.081  
3.409  
0.411  
0.961  
1.239  
0.928  
1.435  
1.076  
1.351  
1.561  
1.382  
1.448  
1.555  
1.437  
0.994  
0.321  
0.566  
0.837  
0.125  
0.9

	0.4
1	
	3.06
	3.61
	3.42
	2.88
	2.76
	3.53
	2.56
	3.09
	3.55
	3.39
	3.39
	2.88
	2.85
	3.21
	2.61
	3.14
	3.84
	3.66
	3.62
	2.94
	2.85
	3.35
	2.63
	1.46
	2.47
	2.54
	2.54
2	
2	
	2.35
	2.71
	1.43
	2.27
	7.05
	7.17
	6.82
	6.48
	6.79
	7.62
	7.46
	6.8
	6.85
	5.82
	1.51
	2.61

	2.67
	3.05
	2.02
	2.01
	2.36
	2.73
	1.46
	2.25
10.1	
8.6	
7.8	
10.6	
9.3	
9.3	
9	
8.8	
9	
8.8	
7.9	
9.2	

NA_DIS_MCL_MG	F_MG	HCO3_MG	CO3_MG	OH_MG	NH3_MG	NO2_MG	NO3_MG	NO2_NO3_as N
2.138								
2.055								
2.366								
1.532								
1.267								
0.949								
1.662								
1.836								
1.886								
2.39								
3.203								
1.685								
1.38								
2.119								
0.308								
0.572								
0.861								
0.661								
0.994								
0.787								
0.875								
1.072								
1.053								
0.941								
1.038								
1.071								
1.077								
1.027								
1.127								
1.07								
1.028								
0.881								
1.014								
0.921								
0.689								
0.8								
0.457								
0.537								
0.63								
0.294								
0.336								
0.583								

0.762  
0.593

1.017  
0.988  
0.739  
0.739  
0.764  
0.926  
0.823  
0.789  
0.696  
0.738  
0.65  
0.485  
0.576  
0.701  
0.259  
0.308  
0.601  
0.73  
0.701

3.835  
3.73  
2.318  
1.645  
1.244  
1.176  
2.272  
2.555  
3.41  
3.219  
4.703  
2.107  
2.104  
2.124  
2.968  
0.532  
0.728  
0.921  
0.946  
1.301  
1.059  
1.223

1.655  
1.644  
1.956  
1.583  
1.016  
0.233  
0.409  
0.791  
1.179  
0.905

3.302  
3.46  
2.343  
1.655  
1.151  
2.428  
2.504  
3.277  
2.996  
4.314  
2.126  
2.192  
2.042  
3.41  
0.39  
0.917  
0.852  
0.91  
1.443  
1.091  
1.344  
1.535  
1.377  
1.64  
1.539  
1.339  
0.988  
0.382  
0.593  
0.785  
1.288  
0.898

0.4		
1		
2.11	0	0.48
2.23	0	0.738
2.37	0	0.464
1.47	0	0.455
1.34	0	0.428
2.82	0	0.486
1.03	0	0.344
2.01	0	0.574
2.16	0	0.648
2.15	0	0.33
2.28	0	0.552
1.52	0	0.469
1.37	0	0.434
2.41	0	0.46
0	0	0.343
2.03	0	0.574
2.33	0	0.738
4.68	0	0.409
2.41	0	0.62
1.5	0	0.454
1.44	0	0.456
2.41	0	0.48
0	0	0.349
<1	<10	0.213
1.53<10		1.03
1.09<10		0.653
1.18<10		0.522
<1	<10	0.207
<1	<10	0.788
1.06<10		0.66
1.44<10		0.93
<1	<10	0.293
<1	<10	0.406
4.25<10		3.55
4.48<10		4.18
3.98<10		4.1
3.84<10		3.84
3.96<10		3.99
4.55<10		5.36
4.23<10		3.82
4.03<10		4.43
4.34<10		5.02
3.93<10		3.33
1.27<10		0.244
1.3<10		1.07

1.09<10		0.679
1.32<10		0.621
<1	<10	0.227
<1	<10	0.751
2.36<10		0.66
1.34<10		0.846
<1	<10	0.258
<1	<10	0.404
	1.29	0.44
	0.55	0.38
	0.59	0.54
	1.08	0.88
	3.38	0.7
	0.49	0.32
	0.94	0.34
	1.19	0.51
	2.99	0.51
	0.61	0.25
	0.9	0.54
	1.33	0.62

K_TOT	MCK_DIS	MGSO4_MG	BI_TOT	BI_DIS	GA_TOT	GA_DIS	MO_TOT	MO_DIS	SN_TOT
0.542	0.551								
0.569	0.545								
0.715	0.606								
0.564	0.568								
0.456	0.481								
0.405	0.422								
0.53	0.534								
0.582	0.587								
0.692	0.672								
0.59	0.606								
0.992	1.053								
0.572	0.587								
0.684	0.678								
0.685	0.598								
0.49	0.468								
0.463	0.437								
0.633	0.624								
0.56	0.533								
0.69	0.648								
0.494	0.497								
0.526	0.542								
0.645	0.639								
0.608	0.608								
0.569	0.659								
0.612	0.606								
0.742	0.723								
0.692	0.695								
0.761	0.694								
0.724	0.739								
0.676	0.707								
0.649	0.653								
0.932	0.71								
0.61	0.79								
0.827	0.61								
0.703	0.588								
0.634	0.523								
0.43	0.434								
0.521	0.509								
0.498	0.471								
0	0								
0	0								
0	0								

0	0
0	0

0.507	0.533
0.52	0.639
0.658	0.445
0.49	0.475
0.467	0.482
0.586	0.585
0.621	0.636
0.506	0.518
0.461	0.462
0.651	0.519
0.562	0.469
0.617	0.432
0.42	0.576
0.508	0.681
0	0
0.228	0.238
0	0
0	0
0	0

1.065	1.085
1.198	1.07
0.705	0.708
0.508	0.51
0.49	0.451
0.417	0.415
0.702	0.693
0.882	0.818
1.002	1.053
1.025	0.942
1.622	1.607
0.893	0.83
0.901	0.89
1.375	1.43
0.844	0.795
0.494	0.483
0.444	0.463
0.849	0.773
0.687	0.668
0.832	0.904
0.603	0.561
0.821	0.724

0.919	
0.92	0.93
1.003	0.982
1.121	1.113
0.874	1.022
0.635	0.712
0	0
0.255	0
0	0
0.234	0.248
0.201	0.202

0.93	0.939
1.041	1.037
0.662	0.649
0.475	0.552
0.41	0.401
0.766	0.744
0.801	0.787
1.128	1.064
1.035	1.027
1.58	1.346
1.018	0.886
0.91	0.892
1.424	1.395
0.791	0.777
0.46	0.444
0.446	0.416
0.743	0.822
0.64	0.616
0.809	0.779
0.566	0.577
0.788	0.736
0.853	0.904
0.875	0.853
1.059	0.985
0.978	0.974
0.803	0.787
0.654	0.641
0	0
0	0
0	0
0.257	0.262
0	0

0.8	0.3
0.7	0.3
	1.13      80
	1.01      136
	0      140
	0      81
	0      70
	0      116
	0      66
	1.04      80
	1.14      132
	1.61      130
	0      140
	0      81
	0      72
	1.17      106
	0      64
	1.11      84
	1.16      140
	2.85      145
	0      150
	0      83
	0      71
	0      122
	0      65
<1	26
<1	110
<1	102
	1.15      120
<1	31
<1	64
	1.31      90
<1	150
<1	29
<1	63
	1.23      370
	1.64      390
	1.72      400
	1.28      380
	1.45      390
	1.52      360
	5.17      370
	1.18      375
	1.35      370
	1.44      345
	9.97      27
<1	100

1.03	104
1.47	130
<1	32
<1	65
<1	94
<1	148
<1	29
<1	62
0.64	118
0.49	84.5
0.75	174
1.12	352
1.05	278
0.46	65.4
0.57	97.7
0.7	172
0.77	181
0.45	50.8
0.73	164
0.78	225

SN_DIS	TI_TOT	TI_DIS	ZR_TOT	ZR_DIS	SiO2_TOT	SiO2_Dis	nSum	CatioSum	AnionSum	Balance
							meq/L	meq/L	meq/L	







10  
8.25  
10.9  
20.3  
16.1  
6.63  
8.02  
10.4  
11.9  
5.82  
10.9  
12.9

Sampler	Well Depth feet	Water level feet	Casing abv. Grd.	water column	DOC	TOC
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## LOWER ANIMAS DATA

Lab Name	Lab. Samp	Lab Job #	BASIN	NEW SITE	STRM_DESCR	OLD SITE	D
	Lab. Desig	Lab. Projec	Report I.	D.			
DPW	44.04		LA		Lightner Cr.@Animas River		
DPW	44.041		LA		Lightner Cr.@Animas River		
DPW	44.042		LA		Lightner Cr.@Animas River		
DPW	44.043		LA		Lightner Cr.@Animas River		
DPW	44.044		LA		Lightner Cr.@Animas River		
DPW	44.045		LA		Lightner Cr.@Animas River		
DPW	44.046		LA		Lightner Cr.@Animas River		
DPW	44.047		LA		Lightner Cr.@Animas River		
DPW	44.048		LA		Lightner Cr.@Animas River		
DPW	44.049		LA		Lightner Cr.@Animas River		
DPW	44.05		LA		Lightner Cr.@Animas River		
DPW	44.051		LA		Lightner Cr.@Animas River		
DPW	44.052		LA		Lightner Cr.@Animas River		
DPW	44.053		LA		Lightner Cr.@Animas River		
DPW	44.054		LA		Lightner Cr.@Animas River		
DPW	44.055		LA		Lightner Cr.@Animas River		
DPW	44.056		LA		Lightner Cr.@Animas River		
DPW	44.057		LA		Lightner Cr.@Animas River		
DPW	44.059		LA		Lightner Cr.@Animas River		
DPW	44.06		LA		Lightner Cr.@Animas River		
DPW	44.061		LA		Lightner Cr.@Animas River		
DPW	44.062		LA		Lightner Cr.@Animas River		
DPW	44.063		LA		Lightner Cr.@Animas River		
DPW	44.064		LA		Lightner Cr.@Animas River		
DPW	44.065		LA		Lightner Cr.@Animas River		
DPW	44.066		LA		Lightner Cr.@Animas River		
DPW	44.068		LA		Lightner Cr.@Animas River		
DPW	44.069		LA		Lightner Cr.@Animas River		
DPW	44.07		LA		Lightner Cr.@Animas River		
DPW	44.071		LA		Lightner Cr.@Animas River		
DPW	44.072		LA		Lightner Cr.@Animas River		
DPW	44.073		LA		Lightner Cr.@Animas River		
DPW	44.074		LA		Lightner Cr.@Animas River		
DPW	44.075		LA		Lightner Cr.@Animas River		
DPW	88.263		LA		Bakers Bridge		
DPW	88.265		LA		Bakers Bridge		
DPW	88.266		LA		Bakers Bridge		
DPW	88.267		LA		Bakers Bridge		
DPW	88.268		LA		Bakers Bridge		
DPW	88.269		LA		Bakers Bridge		
DPW	88.27		LA		Bakers Bridge		
DPW	88.271		LA		Bakers Bridge		

DPW	88.272	LA	Bakers Bridge
DPW	88.273	LA	Bakers Bridge
DPW	88.274	LA	Bakers Bridge
DPW	88.275	LA	Bakers Bridge
DPW	88.276	LA	Bakers Bridge
DPW	88.278	LA	Bakers Bridge
DPW	88.279	LA	Bakers Bridge
DPW	88.28	LA	Bakers Bridge
DPW	88.281	LA	Bakers Bridge
DPW	88.282	LA	Bakers Bridge
DPW	88.283	LA	Bakers Bridge
DPW	88.284	LA	Bakers Bridge
DPW	88.285	LA	Bakers Bridge
DPW	88.286	LA	Bakers Bridge
DPW	88.287	LA	Bakers Bridge
DPW	88.288	LA	Bakers Bridge
DPW	88.289	LA	Bakers Bridge
DPW	88.29	LA	Bakers Bridge
DPW	88.291	LA	Bakers Bridge
DPW	88.292	LA	Bakers Bridge
DPW	88.293	LA	Bakers Bridge
DPW	88.294	LA	Bakers Bridge
DPW	88.295	LA	Bakers Bridge
DPW	88.296	LA	Bakers Bridge
DPW	88.297	LA	Bakers Bridge
DPW	89.286	LA	Trimble Lane Bridge
DPW	89.287	LA	Trimble Lane Bridge
DPW	89.288	LA	Trimble Lane Bridge
DPW	89.289	LA	Trimble Lane Bridge
DPW	89.29	LA	Trimble Lane Bridge
DPW	89.291	LA	Trimble Lane Bridge
DPW	89.292	LA	Trimble Lane Bridge
DPW	89.293	LA	Trimble Lane Bridge
DPW	89.294	LA	Trimble Lane Bridge
DPW	89.295	LA	Trimble Lane Bridge
DPW	89.296	LA	Trimble Lane Bridge
DPW	89.297	LA	Trimble Lane Bridge
DPW	89.298	LA	Trimble Lane Bridge
DPW	89.3	LA	Trimble Lane Bridge
DPW	89.304	LA	Trimble Lane Bridge
DPW	89.305	LA	Trimble Lane Bridge
DPW	89.306	LA	Trimble Lane Bridge
DPW	89.307	LA	Trimble Lane Bridge
DPW	89.308	LA	Trimble Lane Bridge
DPW	89.309	LA	Trimble Lane Bridge
DPW	89.31	LA	Trimble Lane Bridge
DPW	89.311	LA	Trimble Lane Bridge

DPW	89.312	LA	Trimble Lane Bridge
DPW	89.313	LA	Trimble Lane Bridge
DPW	89.314	LA	Trimble Lane Bridge
DPW	89.315	LA	Trimble Lane Bridge
DPW	89.316	LA	Trimble Lane Bridge
DPW	89.317	LA	Trimble Lane Bridge
DPW	89.318	LA	Trimble Lane Bridge
DPW	89.319	LA	Trimble Lane Bridge
DPW	89.32	LA	Trimble Lane Bridge
DPW	89.321	LA	Trimble Lane Bridge
DPW	89.322	LA	Trimble Lane Bridge
DPW	89.323	LA	Trimble Lane Bridge
DPW	89.324	LA	Trimble Lane Bridge
DPW	91.247	LA	ANIDURCO: USGS gage in Durango
DPW	91.248	LA	ANIDURCO: USGS gage in Durango
DPW	91.249	LA	ANIDURCO: USGS gage in Durango
DPW	91.25	LA	ANIDURCO: USGS gage in Durango
DPW	91.251	LA	ANIDURCO: USGS gage in Durango
DPW	91.252	LA	ANIDURCO: USGS gage in Durango
DPW	91.253	LA	ANIDURCO: USGS gage in Durango
DPW	91.254	LA	ANIDURCO: USGS gage in Durango
DPW	91.255	LA	ANIDURCO: USGS gage in Durango
DPW	91.256	LA	ANIDURCO: USGS gage in Durango
DPW	91.257	LA	ANIDURCO: USGS gage in Durango
DPW	91.258	LA	ANIDURCO: USGS gage in Durango
DPW	91.259	LA	ANIDURCO: USGS gage in Durango
DPW	91.26	LA	ANIDURCO: USGS gage in Durango
DPW	91.261	LA	ANIDURCO: USGS gage in Durango
DPW	91.262	LA	ANIDURCO: USGS gage in Durango
DPW	91.263	LA	ANIDURCO: USGS gage in Durango
DPW	91.264	LA	ANIDURCO: USGS gage in Durango
DPW	91.265	LA	ANIDURCO: USGS gage in Durango
DPW	91.266	LA	ANIDURCO: USGS gage in Durango
DPW	91.267	LA	ANIDURCO: USGS gage in Durango
DPW	91.268	LA	ANIDURCO: USGS gage in Durango
DPW	91.269	LA	ANIDURCO: USGS gage in Durango
DPW	91.27	LA	ANIDURCO: USGS gage in Durango
DPW	91.271	LA	ANIDURCO: USGS gage in Durango
DPW	91.272	LA	ANIDURCO: USGS gage in Durango
DPW	91.273	LA	ANIDURCO: USGS gage in Durango
DPW	91.274	LA	ANIDURCO: USGS gage in Durango
DPW	91.275	LA	ANIDURCO: USGS gage in Durango
DPW	91.276	LA	ANIDURCO: USGS gage in Durango
DPW	91.277	LA	ANIDURCO: USGS gage in Durango
DPW	91.278	LA	ANIDURCO: USGS gage in Durango
DPW	91.279	LA	ANIDURCO: USGS gage in Durango
DPW	91.28	LA	ANIDURCO: USGS gage in Durango

DPW	91.281	LA	ANIDURCO: USGS gage in Durango
DPW	93.271	LA	Weaselskin Bridge
DPW	93.272	LA	Weaselskin Bridge
DPW	93.273	LA	Weaselskin Bridge
DPW	93.274	LA	Weaselskin Bridge
DPW	93.275	LA	Weaselskin Bridge
DPW	93.276	LA	Weaselskin Bridge
DPW	93.277	LA	Weaselskin Bridge
DPW	93.278	LA	Weaselskin Bridge
DPW	93.279	LA	Weaselskin Bridge
DPW	93.28	LA	Weaselskin Bridge
DPW	93.281	LA	Weaselskin Bridge
DPW	93.282	LA	Weaselskin Bridge
DPW	93.283	LA	Weaselskin Bridge
DPW	93.284	LA	Weaselskin Bridge
DPW	93.285	LA	Weaselskin Bridge
DPW	93.286	LA	Weaselskin Bridge
DPW	93.287	LA	Weaselskin Bridge
DPW	93.288	LA	Weaselskin Bridge
DPW	93.289	LA	Weaselskin Bridge
DPW	93.29	LA	Weaselskin Bridge
DPW	93.291	LA	Weaselskin Bridge
DPW	93.292	LA	Weaselskin Bridge
DPW	93.293	LA	Weaselskin Bridge
DPW	93.294	LA	Weaselskin Bridge
DPW	93.295	LA	Weaselskin Bridge
DPW	93.296	LA	Weaselskin Bridge
DPW	93.297	LA	Weaselskin Bridge
DPW	93.298	LA	Weaselskin Bridge
DPW	93.299	LA	Weaselskin Bridge
DPW	93.3	LA	Weaselskin Bridge
DPW	93.301	LA	Weaselskin Bridge
DPW	93.302	LA	Weaselskin Bridge
DPW	93.303	LA	Weaselskin Bridge
DPW	93.304	LA	Weaselskin Bridge
DPW	93.305	LA	Weaselskin Bridge
DPW	900.108	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.109	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.11	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.111	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.112	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.113	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.114	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.115	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.116	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.117	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.118	LA	Cascade Creek: 100 yards above Hwy 550

DPW	900.119	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.12	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.121	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.122	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.123	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.124	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.125	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.126	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.127	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.128	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.129	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.13	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.131	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.132	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.133	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.134	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.135	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.136	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.137	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.138	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.139	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.14	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.141	LA	Cascade Creek: 100 yards above Hwy 550
DPW	900.142	LA	Cascade Creek: 100 yards above Hwy 550
DPW	949.024	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.025	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.026	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.027	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.028	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.029	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.03	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.031	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.032	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.033	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.034	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.035	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.036	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.037	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.038	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.039	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.041	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.042	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.043	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.044	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.045	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.046	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.047	LA	Hermosa Creek: Two Properties below FS boundar

DPW	949.048	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.049	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.05	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.051	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.052	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.053	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.054	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.055	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.056	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.057	LA	Hermosa Creek: Two Properties below FS boundar
DPW	949.058	LA	Hermosa Creek: Two Properties below FS boundar
DPW	3576.252	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.253	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.254	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.255	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.256	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.257	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.258	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.259	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.26	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.261	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.262	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.263	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.264	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.265	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.266	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.267	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.268	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.269	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.27	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.271	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.272	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.273	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.274	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.275	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.276	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.277	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.278	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.279	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.28	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.281	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.282	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.283	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.284	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.285	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.286	LA	Hatchery:Upper end of DPW hatchery prop.
DPW	3576.287	LA	Hatchery:Upper end of DPW hatchery prop.

DPW	3577.115	LA	32nd St. - Durango
DPW	3577.116	LA	32nd St. - Durango
DPW	3577.117	LA	32nd St. - Durango
DPW	3577.118	LA	32nd St. - Durango
DPW	3577.119	LA	32nd St. - Durango
DPW	3577.12	LA	32nd St. - Durango
DPW	3577.121	LA	32nd St. - Durango
DPW	3577.122	LA	32nd St. - Durango
DPW	3577.123	LA	32nd St. - Durango
DPW	3577.124	LA	32nd St. - Durango
DPW	3577.125	LA	32nd St. - Durango
DPW	3577.126	LA	32nd St. - Durango
DPW	3577.127	LA	32nd St. - Durango
DPW	3577.128	LA	32nd St. - Durango
DPW	3577.129	LA	32nd St. - Durango
DPW	3577.13	LA	32nd St. - Durango
DPW	3577.131	LA	32nd St. - Durango
DPW	3577.133	LA	32nd St. - Durango
DPW	3577.134	LA	32nd St. - Durango
DPW	3577.135	LA	32nd St. - Durango
DPW	3577.136	LA	32nd St. - Durango
DPW	3577.137	LA	32nd St. - Durango
DPW	3577.138	LA	32nd St. - Durango
DPW	3577.139	LA	32nd St. - Durango
DPW	3577.14	LA	32nd St. - Durango
DPW	3577.141	LA	32nd St. - Durango
DPW	3577.142	LA	32nd St. - Durango
DPW	3577.143	LA	32nd St. - Durango
DPW	3577.144	LA	32nd St. - Durango
DPW	3577.145	LA	32nd St. - Durango
DPW	3577.146	LA	32nd St. - Durango
DPW	3577.147	LA	32nd St. - Durango
DPW	3577.148	LA	32nd St. - Durango
DPW	3577.149	LA	32nd St. - Durango
DPW	3577.15	LA	32nd St. - Durango
DPW	3577.151	LA	32nd St. - Durango
DPW	3590.114	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.115	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.116	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.117	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.118	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.119	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.12	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.121	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.122	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.123	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.124	LA	High Bridge: 200 ft below river takeout blw bridge

DPW	3590.125	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.126	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.127	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.128	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.129	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.13	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.131	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.132	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.133	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.134	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.135	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.136	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.137	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.138	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.139	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.14	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.141	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.142	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.143	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.144	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.145	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.146	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.147	LA	High Bridge: 200 ft below river takeout blw bridge
DPW	3590.148	LA	High Bridge: 200 ft below river takeout blw bridge

DATE	TIME_24H	AGENCY	COMMENT	TYPE
1/5/2012	8:40:00			
2/9/2012	8:45:00			
3/7/2012	8:55:00			
4/3/2012	8:00:00			
5/2/2012	8:50:00			
6/2/2012	9:00:00			
8/6/2012	9:40:00		Very turbid from recent d	
9/4/2012	9:15:00		River very turbid	
10/3/2012	8:20:00			
11/7/2012	9:00:00			
12/10/2012	9:15:00		filtered at lab 1430	
1/7/2013	9:40:00			
2/7/2013	9:25:00			
3/11/2013	9:05:00			
4/10/2013	8:45:00		Cold, turbid after spring s	
5/7/2013	8:50:00			
6/3/2013	8:45:00		High flow nutrient sample	
7/7/2013	10:15:00			
8/4/2013	12:50:00			
9/10/2013	9:10:00			
10/2/2013	9:10:00		Flow up from rains	
11/8/2013	9:15:00			
12/13/2013	9:10:00			
1/8/2014	9:30:00			
2/7/2014	9:25:00			
3/5/2014	9:05:00			
5/1/2014	9:05:00			
6/6/2014	8:45:00			
7/1/2014	8:50:00			
8/1/2014	8:10:00		Turbid, raining past 3 day	
9/5/2014	8:40:00			
10/2/2014	13:05:00			
11/7/2014	8:35:00		Low flow nutrient sample	
12/5/2014	9:25:00			
1/5/2012	11:10:00			
2/9/2012	11:25:00			
3/7/2012	11:10:00			
4/3/2012	10:30:00			
5/2/2012	11:20:00			
5/7/2012	13:25:00		Metals only, following a m	
6/2/2012	11:50:00			
8/6/2012	13:15:00		River pea soup green	

9/4/2012	11:45:00	
10/3/2012	10:55:00	
11/7/2012	11:30:00	
12/10/2012	11:40:00	Bridge frozen, collected 3
2/7/2013	12:00:00	
3/11/2013	12:00:00	
4/10/2013	11:20:00	water a rusty orange
5/7/2013	11:30:00	
6/5/2013	11:30:00	
7/7/2013	12:30:00	
8/4/2013	10:55:00	
9/10/2013	11:35:00	
10/2/2013	11:50:00	
11/8/2013	11:20:00	
2/7/2014	11:40:00	
3/5/2014	11:40:00	
4/10/2014	11:40:00	
5/1/2014	11:55:00	
6/6/2014	11:05:00	
7/1/2014	11:15:00	
8/1/2014	10:35:00	Turbid, raining past 3 day
9/5/2014	11:10:00	
10/2/2014	13:45:00	September rain 2x more t
11/7/2014	12:40:00	
12/5/2014	12:45:00	
1/5/2012	10:40:00	
2/9/2012	10:55:00	
3/7/2012	10:50:00	
4/3/2012	10:00:00	
5/2/2012	10:50:00	
6/2/2012	11:05:00	
8/6/2012	13:40:00	
9/4/2012	11:15:00	
10/3/2012	10:30:00	
11/7/2012	10:50:00	
12/10/2012	11:10:00	cold, filtered at 1430
1/7/2013	11:30:00	
2/7/2013	11:35:00	
3/11/2013	11:30:00	
4/10/2013	10:55:00	
5/7/2013	11:05:00	
6/5/2013	11:05:00	
7/7/2013	12:10:00	
8/4/2013	11:20:00	
9/10/2013	11:05:00	
10/2/2013	11:20:00	
11/8/2013	11:20:00	

12/13/2013	11:05:00	
1/8/2014	11:25:00	
2/7/2014	11:20:00	
3/5/2014	11:00:00	
4/10/2014	11:15:00	
5/1/2014	11:30:00	
6/6/2014	10:40:00	
7/1/2014	10:45:00	
8/1/2014	10:00:00	Turbid, raining past 3 day
9/5/2014	10:45:00	
10/2/2014	14:15:00	September rain 2x more t
11/7/2014	10:50:00	
12/5/2014	11:35:00	
1/5/2012	8:15:00	
2/9/2012	8:20:00	
3/7/2012	8:15:00	
4/3/2012	7:40:00	
5/2/2012	8:25:00	
6/2/2012	8:42:00	
8/6/2012	11:15:00	
9/4/2012	8:45:00	
10/3/2012	7:55:00	
11/7/2012	8:30:00	
12/10/2012	8:55:00	Filtered at 1430
1/7/2013	9:15:00	
2/7/2013	9:00:00	
3/11/2013	8:40:00	
4/10/2013	8:20:00	
5/7/2013	8:25:00	
6/5/2013	8:20:00	
7/7/2013	9:45:00	
8/4/2013	12:25:00	
9/10/2013	8:50:00	
10/2/2013	8:50:00	
11/8/2013	8:50:00	
12/13/2013	8:50:00	
1/8/2014	9:10:00	
2/7/2014	8:50:00	
3/5/2014	9:45:00	
4/10/2014	9:00:00	
5/1/2014	8:45:00	
6/6/2014	8:20:00	
7/1/2014	8:35:00	
8/1/2014	7:45:00	Turbid, raining past 3 day
9/5/2014	8:15:00	
10/2/2014	11:05:00	September rain 2x more t
11/7/2014	8:10:00	

12/5/2014	9:00:00	
1/5/2012	9:35:00	
2/9/2012	9:35:00	
3/7/2012	9:45:00	
4/3/2012	8:50:00	
5/2/2012	9:40:00	
6/2/2012	9:50:00	
8/6/2012	10:15:00	
9/4/2012	10:05:00	
10/3/2012	9:10:00	
11/7/2012	9:45:00	
12/10/2012	10:00:00	filtered at 1430
1/7/2013	10:25:00	
2/7/2013	10:20:00	
3/11/2013	10:15:00	
4/10/2013	9:30:00	
5/7/2013	9:40:00	
6/5/2013	9:40:00	
7/7/2013	11:05:00	
8/4/2013	13:40:00	
9/10/2013	9:55:00	
10/2/2013	10:00:00	
11/8/2013	10:05:00	
12/13/2013	10:05:00	
1/8/2014	10:20:00	
2/7/2014	10:10:00	
3/5/2014	9:50:00	
4/10/2014	10:15:00	
5/1/2014	10:05:00	
6/6/2014	9:35:00	
7/1/2014	9:40:00	
8/1/2014	8:50:00	Turbid, raining past 3 day
9/5/2014	9:35:00	
10/2/2014	10:10:00	September rain 2x more t
11/7/2014	9:35:00	
12/5/2014	10:10:00	
1/5/2012	11:55:00	
2/9/2012	12:10:00	
3/7/2012	12:00:00	
4/3/2012	11:20:00	
5/2/2012	11:50:00	
6/2/2012	12:25:00	
8/6/2012	12:30:00	
9/4/2012	12:20:00	
10/3/2012	11:30:00	
11/7/2012	12:05:00	
12/10/2012	12:05:00	filtered at 1430

	1/7/2013	12:25:00	
	2/7/2013	12:45:00	
	3/11/2013	12:40:00	
	4/10/2013	12:15:00	
	5/7/2013	12:05:00	
	6/5/2013	12:15:00	
	7/7/2013	13:05:00	
	8/4/2013	10:20:00	
	9/10/2013	12:10:00	
	10/2/2013	12:30:00	
	11/8/2013	12:25:00	
	12/13/2013	12:00:00	
	1/8/2014	12:25:00	
	2/7/2014	12:30:00	
	3/5/2014	12:30:00	
	4/10/2014	12:20:00	
	5/1/2014	12:20:00	
	6/6/2014	11:35:00	
	7/1/2014	11:45:00	
	8/1/2014	11:20:00	Turbid, raining past 3 day
	9/5/2014	12:35:00	
	10/2/2014	12:50:00	September rain 2x more t
	11/7/2014	12:05:00	
	12/5/2014	13:00:00	
y	1/2/2012	13:05:00	
y	2/10/2012	12:21:00	
y	3/7/2012	10:20:00	
y	4/4/2012	11:45:00	
y	5/1/2012	11:10:00	600 cfs flow estimate
y	6/1/2012	12:20:00	200 cfs flow estimate
y	8/6/2012	10:40:00	
y	9/4/2012	11:40:00	70 cfs flow estimate
y	10/6/2012	11:25:00	
y	11/7/2012	12:35:00	
y	12/10/2012	11:20:00	20 cfs flow estimate
y	1/7/2013	12:50:00	20 cfs flow estimate
y	2/7/2013	11:50:00	25 cfs flow estimate
y	3/11/2013	12:20:00	
y	4/8/2013	11:30:00	120 cfs flow estimate
y	5/7/2013	10:30:00	
y	6/3/2013	10:15:00	
y	7/7/2013	9:45:00	40 cfs flow estimate
y	9/10/2013	12:10:00	40 cfs flow estimate, rain p
y	10/2/2013	10:15:00	150 cfs estimate, recent r
y	11/8/2013	11:25:00	100 cfs flow estimate
y	12/3/2013	11:50:00	150 cfs flow estimate
y	1/2/2014	13:05:00	90 cfs flow estimate

y	2/3/2014	11:20:00	50 cfs flow estimate
y	3/5/2014	10:45:00	130 cfs flow estimate
y	4/3/2014	16:20:00	200 cfs flow estimate
y	5/1/2014	11:40:00	250 cfs flow estimate
y	6/4/2014	11:25:00	500 cfs flow estimate
y	7/4/2014	11:20:00	150 cfs flow estimate
y	8/2/2014	11:30:00	Turbid, raining past 3 day
y	9/4/2014	11:05:00	15- cfs flow guage estima
y	10/2/2014	11:30:00	September rain 2x more t
y	11/5/2014	12:25:00	150 cfs flow estimate
y	12/2/2014	12:45:00	80 cfs flow estimate
	1/5/2012	15:20:00	
	2/9/2012	15:00:00	
	3/7/2012	16:55:00	
	4/3/2012	12:40:00	
	5/2/2012	13:15:00	
	6/2/2012	15:35:00	
	8/6/2012	14:15:00	
	9/4/2012	15:30:00	
	10/3/2012	14:50:00	
	11/7/2012	13:45:00	
	12/10/2012	13:55:00	
	1/7/2013	14:35:00	
	2/7/2013	14:20:00	
	3/11/2013	14:15:00	
	4/10/2013	13:45:00	
	5/7/2013	15:10:00	
	6/5/2013	15:04:00	High flow nutrient standa
	7/7/2013	16:10:00	
	8/4/2013	14:10:00	
	8/31/2013	17:55:00	24-48 hrs b4 river was tur
	9/10/2013	15:30:00	
	10/2/2013	15:45:00	
	11/8/2013	13:35:00	
	12/13/2013	14:05:00	
	1/8/2014	14:00:00	
	2/7/2014	14:20:00	
	3/5/2014	14:30:00	
	4/10/2014	13:40:00	
	5/1/2014	14:35:00	
	6/6/2014	15:50:00	
	7/1/2014	15:30:00	
	8/1/2014	15:30:00	Turbid, raining past 3 day
	9/5/2014	13:45:00	
	10/2/2014	14:45:00	September rain 2x more t
	11/7/2014	13:35:00	low flow nutrient
	12/5/2014	14:45:00	

1/5/2012	10:15:00	
2/9/2012	10:10:00	
3/7/2012	10:25:00	
4/3/2012	9:25:00	
5/2/2012	10:20:00	
5/7/2012	19:40:00	Metals only, following a m
6/2/2012	10:25:00	
8/6/2012	14:00:00	
9/4/2012	10:45:00	
10/3/2012	9:55:00	
11/7/2012	10:25:00	
12/10/2012	10:40:00	filtered at 1430
1/7/2013	11:00:00	
2/7/2013	10:55:00	
3/11/2013	10:55:00	
4/10/2013	10:20:00	
5/7/2013	10:30:00	
6/5/2013	10:35:00	
7/7/2013	11:40:00	
8/4/2013	12:05:00	
9/10/2013	10:30:00	
10/2/2013	10:45:00	
11/8/2013	10:45:00	
12/13/2013	10:35:00	
1/8/2014	10:50:00	
2/7/2014	10:45:00	
3/5/2014	10:30:00	
4/10/2014	10:50:00	
5/1/2014	11:05:00	
6/6/2014	10:15:00	
7/1/2014	10:15:00	
8/1/2014	9:30:00	Turbid, raining past 3 day
9/5/2014	10:20:00	
10/2/2014	11:35:00	September rain 2x more t
11/7/2014	10:10:00	
12/5/2014	11:05:00	
1/5/2012	9:05:00	
2/9/2012	9:05:00	
3/7/2012	9:10:00	
4/3/2012	8:20:00	
5/2/2012	9:15:00	
6/2/2012	9:20:00	
8/6/2012	10:35:00	
9/4/2012	9:35:00	
10/3/2012	8:40:00	
11/7/2012	9:15:00	
12/10/2012	9:35:00	filtered at 1430

1/7/2013	10:00:00	
2/7/2013	9:50:00	
3/11/2013	9:25:00	
4/10/2013	9:05:00	
5/7/2013	9:10:00	
6/5/2013	9:05:00	
7/7/2013	10:30:00	
8/4/2013	13:10:00	
9/10/2013	9:30:00	
10/2/2013	9:30:00	
11/8/2013	9:35:00	
12/13/2013	9:30:00	
1/8/2014	9:50:00	
2/7/2014	9:45:00	
3/5/2014	9:25:00	
4/10/2014	9:50:00	
5/1/2014	9:30:00	
6/6/2014	9:10:00	
7/1/2014	9:15:00	
8/1/2014	8:30:00	Turbid, raining past 3 day
9/5/2014	9:05:00	
10/2/2014	10:40:00	September rain 2x more t
11/7/2014	9:05:00	
12/5/2014	9:45:00	

PURPOSE	LAT_DD	LONG_DD	ELEV_FT	provisional		pH-lab	TEMP_C
				daily mean	instantane		
				flow_CFS	FLOW_CFS		
	37.26780107.88712		6460			8.01	-1
	37.26780107.88712		6460			8.35	0.5
	37.26780107.88712		6460			8.3	2.5
	37.26780107.88712		6460			8.33	3
	37.26780107.88712		6460			8.32	5.5
	37.26780107.88712		6460			8.32	10
ays, flowing	37.26780107.88712		6460			8.36	15.5
	37.26780107.88712		6460			8.38	14
	37.26780107.88712		6460			8.25	7
	37.26780107.88712		6460			8.31	2.5
	37.26780107.88712		6460			7.77	0
	37.26780107.88712		6460			8.31	0
	37.26780107.88712		6460			7.83	0
	37.26780107.88712		6460			8.34	0
torm	37.26780107.88712		6460			8.3	3
	37.26780107.88712		6460			8.34	7
	37.26780107.88712		6460			8.3	10
	37.26780107.88712		6460			8.09	17
	37.26780107.88712		6460			8.31	19
	37.26780107.88712		6460			8.33	14.5
	37.26780107.88712		6460			8.3	7
	37.26780107.88712		6460			8.25	3
	37.26780107.88712		6460			8.37	0
	37.26780107.88712		6460			8.06	0.05
	37.26780107.88712		6460			8.35	1.5
	37.26780107.88712		6460			8.37	3
	37.26780107.88712		6460			8.37	4.5
	37.26780107.88712		6460			8.34	9
	37.26780107.88712		6460			8.31	12.5
s	37.26780107.88712		6460			8.01	14
	37.26780107.88712		6460			8.02	11
	37.26780107.88712		6460			8	11
	37.26780107.88712		6460			8.33	3
	37.26780107.88712		6460			8.37	4
	37.45698107.79917		6750			8.07	0.5
	37.45698107.79917		6750			8.04	1.5
	37.45698107.79917		6750			7.95	2.5
	37.45698107.79917		6750			8.02	3.5
	37.45698107.79917		6750			8.03	6
etals slug from	37.45698107.79917		6750				5.5
	37.45698107.79917		6750			8.24	9.5
	37.45698107.79917		6750			8.18	13.5

	37.45698107.79917	6750	8.23	14.5
	37.45698107.79917	6750	8.18	4.5
	37.45698107.79917	6750	8.09	5
00yds down	37.45698107.79917	el, filtered	8.02	0
s	37.45698107.79917	6750	8.14	2
	37.45698107.79917	6750	7.75	3
	37.45698107.79917	6750	7.86	3.5
	37.45698107.79917	6750	7.96	4.5
	37.45698107.79917	6750	7.91	9
	37.45698107.79917	6750	8.03	17.5
	37.45698107.79917	6750	8.11	13.5
	37.45698107.79917	6750	7.85	13
	37.45698107.79917	6750	8.02	7.5
	37.45698107.79917	6750	8.2	3
	37.45698107.79917	6750	7.71	3
	37.45698107.79917	6750	7.92	5
	37.45698107.79917	6750	7.95	5
	37.45698107.79917	6750	8	5
	37.45698107.79917	6750	7.19	6.5
	37.45698107.79917	6750	8.27	10.5
s	37.45698107.79917	6750	8.09	13.5
	37.45698107.79917	6750	8.15	11.5
han normal	37.45698107.79917	6750	7.81	6
	37.45698107.79917	6750	7.92	4.5
	37.45698107.79917	6750	7.94	5
	37.38505107.83668	6560	7.68	2
	37.38505107.83668	6560	7.88	4
	37.38505107.83668	6560	7.85	4
	37.38505107.83668	6560	7.93	4
	37.38505107.83668	6560	7.95	8.5
	37.38505107.83668	6560	8.07	11
	37.38505107.83668	6560	7.89	18
	37.38505107.83668	6560	7.93	15.5
	37.38505107.83668	6560	7.98	11
	37.38505107.83668	6560	7.76	8.5
	37.38505107.83668	6560	7.8	2.5
	37.38505107.83668	6560	7.2	3.5
	37.38505107.83668	6560	7.9	4
	37.38505107.83668	6560	7.73	5
	37.38505107.83668	6560	7.84	4.5
	37.38505107.83668	6560	7.87	8.5
	37.38505107.83668	6560	7.79	11
	37.38505107.83668	6560	7.88	17.5
	37.38505107.83668	6560	7.95	16
	37.38505107.83668	6560	7.68	14.5
	37.38505107.83668	6560	7.88	9.5
	37.38505107.83668	6560	8.13	5

	37.38505107.83668	6560	7.98	2	
	37.38505107.83668	6560	7.92	2.5	
	37.38505107.83668	6560	7.56	3.5	
	37.38505107.83668	6560	7.8	5	
	37.38505107.83668	6560	7.84	7.5	
	37.38505107.83668	6560	7.84	6.5	
	37.38505107.83668	6560	7.62	7.5	
	37.38505107.83668	6560	8.2	13	
s	37.38505107.83668	6560	7.97	15	
	37.38505107.83668	6560	7.94	13.5	
han	normal	37.38505107.83668	6560	7.7	8.5
	37.38505107.83668	6560	7.83	6	
	37.38505107.83668	6560	7.85	5.5	
	37.27493 108.1021	6500	7.99	0.5	
	37.27493 108.1021	6500	7.95	2	
	37.27493 108.1021	6500	7.92	3.5	
	37.27493 108.1021	6500	8.01	3.5	
	37.27493 108.1021	6500	8.11	7	
	37.27493 108.1021	6500	8.19	12	
	37.27493 108.1021	6500	7.74	17.5	
	37.27493 108.1021	6500	8.3	14.5	
	37.27493 108.1021	6500	8.32	10.5	
	37.27493 108.1021	6500	8.3	7	
	37.27493 108.1021	6500	7.87	0.5	
	37.27493 108.1021	6500	7.26	0.5	
	37.27493 108.1021	6500	7.92	1	
	37.27493 108.1021	6500	8.31	3	
	37.27493 108.1021	6500	8.07	3.5	
	37.27493 108.1021	6500	8.02	6	
	37.27493 108.1021	6500	7.91	10	
	37.27493 108.1021	6500	7.9	16.5	
	37.27493 108.1021	6500	8.1	19	
	37.27493 108.1021	6500	8.3	15	
	37.27493 108.1021	6500	7.98	7.5	
	37.27493 108.1021	6500	8.21	3.5	
	37.27493 108.1021	6500	7.9	0.5	
	37.27493 108.1021	6500	7.91	1	
	37.27493 108.1021	6500	7.62	1.5	
	37.27493 108.1021	6500	7.91	5	
	37.27493 108.1021	6500	8.04	8	
	37.27493 108.1021	6500	8.02	5	
	37.27493 108.1021	6500	8.05	8.5	
	37.27493 108.1021	6500	8.23	11.5	
s	37.27493 108.1021	6500	8.14	14.5	
	37.27493 108.1021	6500	8.05	12	
han	normal	37.27493 108.1021	6500	7.92	8
	37.27493 108.1021	6500	8.05	4.5	

	37.27493	108.1021	6500	8.01	4
	37.15185	107.88476	6190	8.33	1.5
	37.15185	107.88476	6190	8.3	2
	37.15185	107.88476	6190	8.3	5.5
	37.15185	107.88476	6190	8.21	4
	37.15185	107.88476	6190	8.29	9.5
	37.15185	107.88476	6190	8.24	12.5
	37.15185	107.88476	6190	8.55	18.5
	37.15185	107.88476	6190	8.32	16
	37.15185	107.88476	6190	8.1	10.5
	37.15185	107.88476	6190	8.31	6
	37.15185	107.88476	6190	8.3	0.5
	37.15185	107.88476	6190	8.33	0.5
	37.15185	107.88476	6190	8.4	3
	37.15185	107.88476	6190	8.34	3.5
	37.15185	107.88476	6190	8.31	3.5
	37.15185	107.88476	6190	8.14	9
	37.15185	107.88476	6190	7.99	12
	37.15185	107.88476	6190	8.06	20.5
	37.15185	107.88476	6190	8.34	21
	37.15185	107.88476	6190	8.3	16
	37.15185	107.88476	6190	8.11	10.5
	37.15185	107.88476	6190	8.37	5
	37.15185	107.88476	6190	8.3	0.5
	37.15185	107.88476	6190	8.35	0.5
	37.15185	107.88476	6190	8.76	2
	37.15185	107.88476	6190	8.39	6
	37.15185	107.88476	6190	8.31	9.5
	37.15185	107.88476	6190	8.36	7.5
	37.15185	107.88476	6190	8.27	11
	37.15185	107.88476	6190	8.51	13.5
s	37.15185	107.88476	6190	8.34	16.5
	37.15185	107.88476	6190	8.35	15
han	normal	37.15185	107.88476	6190	8.17
		37.15185	107.88476	6190	8.38
		37.15185	107.88476	6190	8.37
		37.65785	107.81186	8770	8.32
		37.65785	107.81186	8770	8.33
		37.65785	107.81186	8770	8.32
		37.65785	107.81186	8770	8
		37.65785	107.81186	8770	8.05
		37.65785	107.81186	8770	8.19
		37.65785	107.81186	8770	8.29
		37.65785	107.81186	8770	8.23
		37.65785	107.81186	8770	8.22
		37.65785	107.81186	8770	8.42
		37.65785	107.81186	8770	7.95

	37.65785107.81186	8770	7.55	0.5
	37.65785107.81186	8770	8.64	2
	37.65785107.81186	8770	8.3	3.5
	37.65785107.81186	8770	8.37	3.5
	37.65785107.81186	8770	7.97	3
	37.65785107.81186	8770	7.86	8
	37.65785107.81186	8770	8.09	15.5
	37.65785107.81186	8770	8.09	9.5
	37.65785107.81186	8770	7.9	10
	37.65785107.81186	8770	8.02	6
	37.65785107.81186	8770	8.21	4
	37.65785107.81186	8770	8.22	2.5
	37.65785107.81186	8770	8.2	0.5
	37.65785107.81186	8770	7.74	1.5
	37.65785107.81186	8770	7.91	4
	37.65785107.81186	8770	8.32	4.5
	37.65785107.81186	8770	8.36	5.5
	37.65785107.81186	8770	8.05	7.5
	37.65785107.81186	8770	8.24	9
s	37.65785107.81186	8770	8.13	11
	37.65785107.81186	8770	7.94	11
han normal	37.65785107.81186	8770	7.88	3.5
	37.65785107.81186	8770	8	3
	37.65785107.81186	8770	7.99	1.5
	37.42552107.84849	6760	8.2	0.5
	37.42552107.84849	6760	8.43	0.5
	37.42552107.84849	6760	8.34	1
	37.42552107.84849	6760	8.35	3
	37.42552107.84849	6760	8.73	5
	37.42552107.84849	6760	8.45	10
	37.42552107.84849	6760	8.57	14
	37.42552107.84849	6760	8.39	15
	37.42552107.84849	6760	8.3	8
	37.42552107.84849	6760	8.3	5
	37.42552107.84849	6760	8.3	0
	37.42552107.84849	6760	8.43	12.5
	37.42552107.84849	6760	8.21	0.5
	37.42552107.84849	6760	8.32	2
	37.42552107.84849	6760	8.32	4
	37.42552107.84849	6760	8.32	5
	37.42552107.84849	6760	8.58	8
	37.42552107.84849	6760	8.33	15
ast 3 days	37.42552107.84849	6760	8.34	13
ains	37.42552107.84849	6760	8.33	5.5
	37.42552107.84849	6760	8.34	2.5
	37.42552107.84849	6760	8.34	1
	37.42552107.84849	6760	8.33	1

	37.42552107.84849	6760	8.4	0
	37.42552107.84849	6760	8.34	2
	37.42552107.84849	6760	8.32	5.5
	37.42552107.84849	6760	8.36	3.5
	37.42552107.84849	6760	8.33	6
	37.42552107.84849	6760	8.35	13
s, 200 cfs flow	37.42552107.84849	6760	8.34	13
te	37.42552107.84849	6760	8.37	12
han normal	37.30552107.84849	6760	8.31	5
	37.42552107.84849	6760	8.11	4
	37.42552107.84849	6760	8.33	1
	37.27964107.87239	6505	8.3	3.5
	37.27964107.87239	6505	7.94	6
	37.27964107.87239	6505	8.3	6.5
	37.27964107.87239	6505	8.04	5
	37.27964107.87239	6505	8.09	11.5
	37.27964107.87239	6505	8.16	13
	37.27964107.87239	6505	7.82	20
	37.27964107.87239	6505	8.3	19.5
	37.27964107.87239	6505	8.38	15
	37.27964107.87239	6505	8.31	10.5
	37.27964107.87239	6505	7.84	1.5
	37.27964107.87239	6505	7.27	1
	37.27964107.87239	6505	7.96	5
	37.27964107.87239	6505	8.31	5
	37.27964107.87239	6505	7.98	5.5
	37.27964107.87239	6505	7.96	10
rd	37.27964107.87239	6505	7.81	13.5
	37.27964107.87239	6505	7.93	20
	37.27964107.87239	6505	8.04	17.5
bid w/ no in	37.27964107.87239 odd co	6505	7.89	16
	37.27964107.87239	6505	7.96	16
	37.27964107.87239	6505	7.91	12
	37.27964107.87239	6505	8.19	6
	37.27964107.87239	6505	7.86	3
	37.27964107.87239	6505	7.99	2.5
	37.27964107.87239	6505	7.58	4
	37.27964107.87239	6505	7.83	9
	37.27964107.87239	6505	7.99	11
	37.27964107.87239	6505	8.05	9.5
	37.27964107.87239	6505	8.08	10.5
	37.27964107.87239	6505	8.29	17.5
s	37.27964107.87239	6505	8.1	16
	37.27964107.87239	6505	8.33	13
han normal	37.27964107.87239	6505	7.78	9
	37.27964107.87239	6505	8.03	9
	37.27964107.87239	6505	8.35	6

	37.29828107.86793	6520	7.93	1
	37.29828107.86793	6520	7.91	3
	37.29828107.86793	6520	7.89	4.5
	37.29828107.86793	6520	7.96	3
	37.29828107.86793	6520	7.98	8
etals slug from	37.29828107.86793	6520		7
	37.29828107.86793	6520	8.11	13
	37.29828107.86793	6520	7.81	19
	37.29828107.86793	6520	7.99	16.5
	37.29828107.86793	6520	8.02	10.5
	37.29828107.86793	6520	8.31	8.5
	37.29828107.86793	6520	7.81	0
	37.29828107.86793	6520	7.22	1.5
	37.29828107.86793	6520	7.9	4
	37.29828107.86793	6520	8.31	4.5
	37.29828107.86793	6520	7.92	3.5
	37.29828107.86793	6520	7.93	8
	37.29828107.86793	6520	7.79	13
	37.29828107.86793	6520	7.91	18
	37.29828107.86793	6520	7.96	18
	37.29828107.86793	6520	7.81	15.5
	37.29828107.86793	6520	7.92	11
	37.29828107.86793	6520	8.16	5
	37.29828107.86793	6520	7.88	1.5
	37.29828107.86793	6520	7.91	1
	37.29828107.86793	6520	7.6	3.5
	37.29828107.86793	6520	7.83	6.5
	37.29828107.86793	6520	7.86	9.5
	37.29828107.86793	6520	8.01	7
	37.29828107.86793	6520	7.66	9
	37.29828107.86793	6520	8.25	14
s	37.29828107.86793	6520	8.05	15
	37.29828107.86793	6520	8.02	15
han normal	37.29828107.86793	6520	7.8	7
	37.29828107.86793	6520	7.98	6.5
	37.29828107.86793	6520	7.96	5.5
	37.2482107.88365	6370	8.3	0
	37.2482107.88365	6370	8.3	2.5
	37.2482107.88365	6370	8.3	3.5
	37.2482107.88365	6370	8.11	3.5
	37.2482107.88365	6370	8.14	7.5
	37.2482107.88365	6370	8.23	11
	37.2482107.88365	6370	8.46	17
	37.2482107.88365	6370	8.35	15.5
	37.2482107.88365	6370	8.32	10
	37.2482107.88365	6370	8.31	6
	37.2482107.88365	6370	8.3	0.5

	37.2482107.88365	6370	8.36	0
	37.2482107.88365	6370	8.38	1.5
	37.2482107.88365	6370	8.38	2.5
	37.2482107.88365	6370	8.31	3
	37.2482107.88365	6370	8.07	6.5
	37.2482107.88365	6370	7.95	10.5
	37.2482107.88365	6370	8.36	18
	37.2482107.88365	6370	8.34	18
	37.2482107.88365	6370	8.3	15.5
	37.2482107.88365	6370	8.02	8.5
	37.2482107.88365	6370	8.38	3.5
	37.2482107.88365	6370	8.34	0
	37.2482107.88365	6370	8.31	0.5
	37.2482107.88365	6370	8.75	2
	37.2482107.88365	6370	8.33	5
	37.2482107.88365	6370	8.33	8
	37.2482107.88365	6370	8.19	6
	37.2482107.88365	6370	8.2	12
s	37.2482107.88365	6370	8.32	14.5
	37.2482107.88365	6370	8.31	12
han normal	37.2482107.88365	6370	8.03	8.5
	37.2482107.88365	6370	8.07	6
	37.2482107.88365	6370	8.36	4.5

field Cond.lab cond.	HARD_MG as CaCO3=	Field Alk mg/l	Phen_Alk Mg/l	Total alk. Mg/l	ACIDITY	CA_TOT_M Ca_DIS_M Ca as CaCC	Totals
	324		0	224	79.584	78.402	
	312		8	250	74.682	72.977	
	304		12	250	75.7	72.697	
	158		8	152	40.544	38.225	
	190		8	178	55.587	53.957	
	246	8.32		218	71.043	68.799	
	272		12	220	87.419	73.665	
	276		8	204	76.579	54.784	
	300		0	208	81.726	79.776	
	320		8	218	89.768	86.358	
	520		0	296	132.161	130.799	
	328		4	230	82.363	74.601	
	364		0	242	87.186	82.289	
	344		4	226	91.335	83.783	
	228		24	186	84.528	65.919	
	204		12	174	57.958	55.405	
	252		4	190	66.431	64.771	
	264		0	202	75.181	73.479	
	264		4	186	63.38	61.736	
	264		16	196	71.524	61.765	
	240		4	190	68.039	65.942	
	248		0	208	71.301	67.35	
	308		12	226	77.141	74.359	
	272		0	204	69.75	68.352	
	252		4	200	71.967	69.556	
	228		16	184	60.895	55.384	
	208		12	178	53.07	52.362	
	208		8	178	81.188	77.817	
	252		8	192	62.025	61.478	
	362		0	134	206.693	135.944	
	274		0	200	118.827	96.683	
	232		0	224	252.205	98.053	
	254		4	198			
	280		12	210			
	168		0	36	53.461	50.993	
	172		0	40	55.962	53.86	
	182		0	42	54.211	53.051	
	98		0	48	28.397	25.88	
	76		0	40	24.909	24.137	
					20.767	19.916	
	54		0	28	19.89	19.162	
	102		0	24	33.719	33.251	

164	0	30	47.355	47.522
202	0	24	69.911	66.58
220	0	20		65.182
164	0	44	55.921	55.767
152	0	42	47.817	47.099
208	0	28	66.541	66.677
160	0	34	55.326	54.802
78	0	28	23.748	23.553
56	0	22	20.054	19.147
126	0	30	44.551	43.156
106	0	24	34.525	33.735
128	0	30	46.928	44.776
92	0	36	32.711	31.258
136	0	24	44.528	44.557
186	0	34	64.396	63.16
168	0	40	51.115	50.848
118	0	40	37.91	35.658
112	0	44	34.687	33.599
46	0	22	18.732	14.599
62	0	22	20.335	20.275
90	0	38	27.941	26.967
138	0	28	61.386	60.048
80	0	36	42.317	42.031
140	0	34		
160	0	36		
264	0	106	79.3	75.992
272	0	112	81.484	77.308
240	0	120	71.914	68.366
122	0	80	36.028	33.043
114	0	76	34.37	33.375
82	0	48	28.933	28.056
188	0	98	64.045	63.368
300	0	158	78.664	77.783
328	0	178	107.577	98.86
336	0	178	96.958	92.772
264	0	114	91.782	90.376
272	0	116	76.553	74.968
236	0	100	68.434	66.248
292	0	114	92.68	91.612
228	0	96	79.389	74.361
108	0	54	34.445	33.485
86	0	40	26.977	26.367
288	0	150	91.302	91.487
168	0	70	53.605	53.035
220	0	106	68.9	67.2
132	0	62	46.076	46.014
192	0	90	61.766	59.74

220	0	106	70.595	69.366
252	0	108	77.818	75.028
264	0	104	87.709	85.603
228	0	116	68.602	64.21
158	0	80	46.447	44.737
156	0	86	48.115	47.057
58	0	32	18.373	17.904
88	0	40	32.847	31.696
150	0	66	56.597	55.066
228	0	118	106.099	105.544
114	0	56	56.237	54.62
198	0	88		
222	0	86		
272	0	120	94.589	81.001
300	0	162	86.376	79.611
264	0	132	79.829	76.728
114	0	78	35.493	34.913
122	0	86	37.962	36.964
100	0	60	35.088	34.806
264	0	150	82.172	74.045
312	4	180	80.077	78.447
340	4	192	89.265	88.22
336	8	174	94.949	92.963
284	0	132	90.085	89.596
284	0	136	80.747	78.08
252	0	118	75.614	74.859
296	8	138	91.722	89.636
220	0	98	76.186	73.746
100	0	54	31.753	30.055
112	0	56	33.256	32.455
272	0	152	97.823	92.027
194	0	98	63.416	62.26
244	4	134	76.173	75.267
140	0	72	47.105	44.521
208	0	104	67.857	66.388
236	0	122	74.963	73.573
280	0	140	78.124	76.807
272	0	124	89.618	89.023
252	0	120	72.464	69.432
194	0	102	58.087	56.47
156	0	92	44.772	44.847
60	0	34	18.203	18.057
114	0	54	34.134	32.881
184	0	92	76.416	75.61
252	0	134	106.149	104.655
112	0	64	55.378	51.141
210	0	104		

238	0	108		
270	8	124	78.117	76.792
280	16	144	81.36	80.206
260	16	144	80.485	77.036
116	0	80	35.183	31.167
124	0	88	37.629	36.872
110	0	70	36.809	36.44
248	20	168	77.994	77.766
300	4	176	80.866	78.802
316	0	178	111.795	94.89
316	8	106	93.652	88.818
284	4	140	94.841	89.297
276	8	136	84.765	82.132
248	8	126	79.767	76.813
284	12	134	102.475	94.375
224	8	108	76.998	72.659
104	0	58	34.654	32.662
110	0	38	34.204	33.32
256	0	152	93.744	90.005
176	12	82	62.631	59.23
244	8	132	75.189	74.665
140	0	76	48.234	47.474
210	8	106	64.599	64.032
240	4	124	73.698	71.789
284	12	150	78.787	75.596
272	12	134	89.246	86.395
244	18	124	72.342	70.857
192	4	108	57.699	55.542
160	4	96	46.551	44.302
62	0	38	24.57	23.24
116	4	58	33.769	33.367
178	4	90	53.742	52.752
248	12	134	107.942	107.794
108	0	64	56.957	54.035
210	12	106		
236	16	112		
184	8	156	47.37	46.567
176	8	154	45.01	44.413
152	12	128	41.722	40.196
92	0	90	25.1	24.423
108	0	110	30.8	29.672
56	0	48	16.817	16.788
88	0	60	25.581	25.727
116	0	70	29.595	28.953
128	0	70	32.912	32.536
156	12	104	40.201	40.277
168	0	104	49.496	46.493

160	0	100	41.581	40.431
156	4	104	47.383	41.45
156	12	92	54.905	45.249
132	16	92	40.294	38.072
68	0	50	19.317	18.719
54	0	38	17.313	16.803
88	0	60	29.339	28.046
88	0	52	26.156	25.559
92	0	56	27.69	25.925
86	0	60	29.828	28.657
102	0	76	32.052	30.239
116	0	84	33.593	33.51
120	0	86	34.926	33.764
132	0	88	39.093	38.3
138	0	98	36.795	34.693
104	4	88	31.778	31.21
120	8	112	34.097	34.119
52	0	40	18.413	14.747
64	0	38	18.718	17.842
76	0	52	25.505	22.345
100	0	60	43.792	42.071
80	0	60	36.289	35.525
104	0	74		
124	0	82		
152	0	146	106.903	104.505
380	24	182	101.627	101.226
278	16	174	83.35	78.441
162	8	142	48.587	48.039
120	12	116	39.573	38.872
160	16	134	61.213	59.251
232	8	152	76.384	75.444
318	16	132	85.822	84.677
364	4	130	122.515	121.673
360	8	136	140.149	11.658
440	4	152	143.456	140.831
404	4	144	123.36	122.832
388	0	138	129.136	127.8
340	4	140	124.644	120.063
228	12	136	75.025	73.977
148	8	108	45.809	44.382
152	8	110	52.163	51.702
300	4	126	92.533	91.758
264	8	122	81.559	78.726
204	12	142	66.2	62.37
244	12	148	81.252	80.809
242	16	156	75.598	
264	4	152	87.907	86.732

296	4	144	100.549	96.026
252	8	154	74.763	74.635
200	8	144	6.1545	61.258
150	16	130	47.608	47.277
110	8	92	45.635	45.077
232	12	136	74.646	73.276
232	20	140	72.97	72.284
272	4	134	121.667	116.236
176	8	134	83.67	81.742
250	0	142		
302	8	156		
268	8	116	79.762	77.527
292	0	150	88.123	87.03
260	4	134	76.677	74.976
118	0	98	35.162	35.064
120	0	90	39.214	39.339
92	0	58	32.993	32.599
256	0	150	81.939	79.436
308	16	178	79.317	78.214
328	16	188	114.474	114.101
324	12	170	114.16	113.964
272	0	128	90.388	88.629
272	0	126	80.805	79.92
248	0	114	78.558	72.538
296	8	126	107.735	90.13
216	0	94	73.305	70.002
108	0	64	33.96	32.85
104	0	50	29.93	29.419
268	0	166	91.847	86.715
198	0	96	64.888	62.013
184	0	94	58.257	57.742
236	0	130	73.823	73.232
142	0	74	49.701	48.979
204	0	100	64.653	36.663
228	0	114	70.943	70.967
256	0	130	80.331	78.677
260	0	118	78.912	74.708
244	0	130	70.312	69.491
176	0	100	55.974	55.039
154	0	38	48.172	47.117
66	0	42	20.936	19.92
106	0	48	30.098	30.167
166	0	80	50.554	48.974
250	4	134	116.5	112.51
120	0	64	56.278	53
212	0	106		
236	4	110		

268	0	114	80.489	78.775
300	0	154	90.269	85.814
256	0	128	79.331	76.021
116	0	76	37.247	5.972
120	0	82	40.743	39.732
			27.09	26.728
94	0	52	31.279	30.518
244	0	150	82.319	81.455
308	0	180	82.039	82.138
336	0	194	119.957	103.806
340	8	174	95.878	93.629
276	0	128	92.394	87.628
280	0	130	85.566	83.661
248	0	114	81.203	78.996
296	4	126	112.988	107.013
216	0	96	74.708	72.573
104	0	54	33.474	32.388
100	0	48	32.134	31.395
260	0	170	96.458	94.422
200	0	96	64.371	62.751
248	0	134	77.674	73.381
140	0	72	46.556	44.486
208	0	98	66.434	63.889
240	0	116	73.015	71.849
276	0	128	77.749	77.663
264	0	116	88.017	85.711
240	0	114	72.285	71.168
190	0	96	52.818	52.07
154	0	90	46.758	43.919
56	0	32	25.298	24.041
108	0	46	33.428	33.104
176	0	86	50.717	50.761
252	0	132	115.337	108.672
116	0	60	54.311	51.388
216	0	102		
238	0	106		
264	8	122	82.256	80.25
292	16	100	86.078	85.615
264	8	138	80.347	78.22
116	0	84	35.533	34.804
126	0	88	38.569	37.403
106	0	66	36.285	35.783
260	20	172	82.325	80.911
312	16	178	80.763	78.097
332	12	192	101.997	101.483
328	20	172	94.358	90.785
288	4	138	98.755	91.999

280	4	136	77.846	77.383
252	8	134	76.315	74.358
292	4	130	103.959	98.105
224	8	106	76.19	74.16
104	0	54	33.557	32.4
112	0	56	35.761	34.803
280	12	168	95.938	93.013
196	16	94	64.219	61.767
244	12	138	76.057	74.019
144	0	144	47.926	45.53
208	4	110	64.482	63.435
248	4	136	76.543	75.16
276	4	146	93.271	83.155
268	8	126	88.515	87.294
248	8	122	70.116	0
190	4	102	61.545	58.763
158	0	94	47.528	45.588
			26.334	22.515
116	0	56	34.763	34.219
184	8	98	71.684	58.012
252	12	134	106.468	103.042
116	0	64	56.418	53.426
212	0	108		
236	4	108		

MG_TOT_IMG_DIS_MAL_TOT	AL_DIS	AG_TOT	AG_DIS	AS_TOT	AS_DIS	AU_DIS	B_TOT
26.242	25.182	89	0		0	0	
22.866	21.661	143	0		0	0	
26.453	25.377	444	0		0	0	
8.489	7.906	424	0		0	0	
12.545	12.18	160	0		0	0	
21.117	20.534	24	0		0	0	
25.486	21.475	2138	30		0	0	
25.577	19.494	2659	0		0	0	
26.165	25.378	216	0		0	0	
28.708	27.383	58	0		0	0	
47.632	47.12	26	15		0	0	
28.238	24.948	194	0		0	0	
30.678	29.425	199	0		0	0	
31.077	29.243	620	0		0	0	
18.987	16.044	1238	0		0	0	
13.1	12.624	287	0		0	0	
20.284	19.4	55	0		0	0	
25.116	24.568	25	0		0	0	
25.533	24.382	21	0		0	0	
27.779	22.264	1280	0		0	0	
18.422	17.53	137	0		0	0	
20.622	19.311	34	0		0	0	
23.659	22.758	103	0		0	0	
21.935	21.484	79	0		0	0	
23.623	23.007	63	0		0	0	
17.818	16.269	782	0		0	0	
12.659	12.603	114	0		0	0	
18.78	18.361	68	0		0	0	
23.54	18.861	0	0		0	0	
48.915	30.228	8208	92		0	0	
38.329	32.688	2122	0		0	0	
62.314	22.826	12444	54		0	0	
5.465	5.302	1002	0		0	0	
6.307	5.588	1060	17		0	0	
5.602	5.464	974	16		0	0	
3.621	3.241	499	29		0	0	
3.257	2.942	404	36		0	0	
2.618	2.503	412	61		0	0	
2.236	2.094	497	45		0	0	
3.324	3.188	1022	66		0	0	

4.607	4.807	334	37	0	0
5.7	5.469	241	23	0	0
	5.413		15		0
6.413	6.38	724	16	0	0
5.755	5.67	925	31	0	0
6.574	6.599	1627	26	0	0
5.28	5.318	1435	22	0	0
2.681	2.602	567	57	0	0
2.306	2.179	381	56	0	0
4.071	3.852	472	65	0	0
3.732	3.635	1330	64	0	0
4.981	4.748	692	52	0	0
3.852	3.676	514	51	0	0
4.519	4.479	903	23	0	0
7.087	6.926	1598	19	0	0
6.566	6.71	1562	20	0	0
4.935	4.641	3259	55	0	0
4.433	4.125	609	41	0	0
2.018	1.763	1651	69	0	0
2.525	2.45	512	75	0	0
3.063	2.92	658	65	0	0
6.164	5.461	702	66	0	0
4.567	4.596	647	84	0	0
9.866	8.997	316	0	0	0
9.253	8.892	848	0	0	0
9.964	8.589	630	0	0	0
5.141	4.212	456	19	0	0
4.406	4.276	338	24	0	0
3.534	3.38	539	31	0	0
7.719	7.589	344	27	0	0
10.479	10.313	46	0	0	0
13.586	13.372	39	0	0	0
12.183	11.804	80	0	0	0
10.8	10.615	250	29	0	0
10.494	9.728	116	0	0	0
9.245	8.837	601	0	0	0
11.595	11.549	641	0	0	0
9.835	9.246	426	0	0	0
3.887	3.798	485	26	0	0
3.319	3.2	368	45	0	0
12.38	12.143	70	20	0	0
6.575	6.622	616	37	0	0
8.735	8.541	198	18	0	0
6.016	6.004	390	44	0	0
7.374	7.13	571	27	0	0

8.777	8.577	169	0	0	0
10.195	9.991	232	0	0	0
11.2	10.962	586	0	0	0
9.938	9.314	632	23	0	0
6.373	6.137	3492	31	0	0
6.579	6.365	371	29	0	0
2.651	2.182	1882	53	0	0
3.74	3.843	510	58	0	0
5.766	5.625	721	33	0	0
12.408	12.37	207	33	0	0
6.476	6.298	540	56	0	0

12.655	10.604	70	0	0	0
13.061	10.855	87	0	0	0
11.601	11.189	166	0	0	0
5.116	4.961	760	30	0	0
5.007	4.813	375	48	0	0
4.391	4.385	328	27	0	0
10.919	10.396	61	0	0	0
11.434	11.487	78	0	0	0
11.712	11.632	40	0	0	0
12.279	12.008	32	0	0	0
12.531	12.434	82	20	0	0
11.114	11.124	60	0	0	0
10.239	10.095	136	23	0	0
12.395	11.936	134	18	0	0
9.648	9.25	263	16	0	0
3.88	3.641	576	18	0	0
4.298	4.06	293	30	0	0
14.182	13.405	54	20	0	0
8.457	8.427	199	30	0	0
10.229	10.345	76	0	0	0
6.237	5.855	307	31	0	0
8.665	8.285	223	31	0	0
10.17	9.95	155	0	0	0
10.822	10.671	184	0	0	0
12.299	12.157	295	0	0	0
11.053	10.76	325	17	0	0
7.721	7.448	1287	31	0	0
5.585	5.742	415	35	0	0
2.734	2.303	2540	78	0	0
4.594	4.407	322	33	0	0
8.768	8.359	708	29	0	0
12.804	12.634	76	33	0	0
6.519	5.839	565	50	0	0

11.142	10.971	78	0	0	0
11.871	11.606	64	0	0	0
12.973	12.38	127	0	0	0
5.408	4.217	866	23	0	0
5.144	4.996	413	40	0	0
4.851	4.753	343	50	0	0
10.873	10.94	203	20	0	0
12.393	12.031	133	0	0	0
15.888	14.87	190	0	0	0
12.508	11.944	86	0	0	0
13.593	12.934	72	19	0	0
12.911	12.622	67	0	0	0
12.138	11.236	118	0	0	0
14.559	13.684	58	0	0	0
10.566	9.977	257	0	0	0
4.146	3.876	791	51	0	0
4.473	4.312	326	58	0	0
14.408	13.831	41	20	0	0
9.006	8.611	121	47	0	0
10.744	10.542	42	0	0	0
6.712	6.572	351	52	0	0
8.873	8.772	145	33	0	0
10.643	10.413	84	0	0	0
14.058	11.791	114	0	0	0
13.368	13.407	203	0	0	0
11.754	11.538	284	18	0	0
8.242	7.233	574	50	0	0
6.148	6.104	428	36	0	0
2.867	2.268	2397	71	0	0
4.643	4.579	279	91	0	0
7.588	7.314	375	43	0	0
14.236	13.564	45	23	0	0
7.004	6.553	760	68	0	0
10.785	10.711	69	22	0	0
9.771	9.645	234	26	0	0
8.712	8.338	506	29	0	0
5.195	4.589	398	64	0	0
5.837	5.621	220	61	0	16
3.007	2.986	316	69	0	0
4.628	4.634	375	87	0	0
5.546	5.425	375	71	0	0
6.032	5.914	452	49	0	0
7.721	7.611	126	39	0	0
10.47	9.901	446	31	0	0

9.197	8.967	533	26	0	0
9.903	8.962	363	30	0	0
10.855	9.383	787	43	0	0
7.294	6.922	414	29	0	0
3.273	3.209	571	82	0	0
3.31	3.194	341	74	0	0
5.479	4.85	287	152	0	0
5.307	5.147	609	123	0	0
5.223	4.919	601	110	0	0
5.484	5.681	575	121	0	0
5.94	5.769	462	57	0	0
6.48	6.464	991	67	0	0
7.622	7.394	1031	43	0	0
8.795	8.595	1272	56	0	0
8.515	8.011	1064	42	0	0
6.544	6.413	1411	83	0	0
7.313	6.983	365	70	0	0
2.617	2.541	515	113	0	0
4.233	4.025	464	130	0	0
5.27	4.345	1633	97	0	0
7.851	7.53	716	132	0	0
5.812	5.547	628	193	0	22

14.823	14.989	0	0	0	0
16.247	14.678	0	0	0	0
12.133	10.4	0	0	0	0
5.89	5.829	94	0	0	0
4.358	4.271	139	0	0	0
7.645	7.408	27	0	0	0
9.908	9.837	22	0	0	0
12.1	12.139	0	0	0	0
16.766	16.456	0	0	0	0
18.029	14.074	0	0	0	0
22.051	21.921	15	20	0	0
18.424	18.285	0	0	0	0
19.389	19.53	0	0	0	0
17.636	17.229	0	0	0	0
9.126	9.107	21	0	0	0
5.519	5.432	93	0	0	0
6.368	6.34	48	0	0	0
12.579	12.396	0	0	0	0
11.829	11.471	0	0	0	0
9.847	8.483	21	0	0	0
10.615	10.373	0	0	0	0
9.546		0			0
12.272	12.311	0	0	0	0

14.565	13.924	0	0	0	0
10.753	10.57	0	0	0	0
8.645	8.244	23	0	0	0
6.29	6.384	70	0	0	0
4.532	4.467	228	0	0	0
8.927	9.027	18	0	0	0
10.457	10.438	433	17	0	0
16.656	14.986	54	0	0	0
9.79	9.105	140	25	0	0

10.362	10.027	62	27	0	0
13.138	12.013	181	34	0	0
11.003	9.439	182	47	0	0
5.281	5.18	509	15	0	0
4.761	4.727	336	20	0	0
4.131	4.048	580	42	0	0
10.732	10.768	78	0	0	0
11.28	11.292	69	36	0	0
15.133	15.137	60	26	0	0
14.406	14.416	28	0	0	0
12.32	11.989	98	28	0	0
11.588	11.423	83	0	0	0
11.275	9.768	292	15	0	0
13.657	11.99	137	18	0	0
8.484	8.126	241	18	0	0
4.235	4.052	527	37	0	0
3.724	3.664	376	37	0	0
13.315	11.365	66	40	0	0
8.63	8.237	206	25	0	0
7.58	7.55	297	24	0	0
10.098	10.211	94	33	0	0
6.838	6.58	314	56	0	0
7.916	7.984	296	24	0	0
9.217	9.24	174	0	0	0
11.283	11.043	257	0	0	0
11.97	10.515	365	21	0	0
10.404	10.248	271	28	0	0
7.58	7	1635	27	0	0
6.606	6.427	441	24	0	0
3.244	2.634	2028	51	0	0
3.916	3.888	398	44.5	0	0
6.653	6.423	444	48	0	0
14.663	14.255	69	44	0	0
6.695	6.249	537	50	0	0

10.434	10.154	83	0	0	0
11.399	10.84	146	0	0	0
10.743	10.26	265	0	0	0
4.63	4.342	748	20	0	0
4.755	4.584	417	18	0	0
3.51	3.417	463	25	0	0
3.791	3.802	458	25	0	0
10.84	10.564	365	0	0	0
11.562	11.603	83	0	0	0
15.655	13.446	46	0	0	0
12.052	11.69	42	0	0	0
12.514	11.872	101	21	0	0
12.183	11.909	67	0	0	0
11.477	11.213	162	0	0	0
14.273	13.55	130	0	0	0
9.219	8.392	296	0	0	0
3.857	3.693	610	29	0	0
4.076	4.099	406	27	0	0
13.844	13.559	44	0	0	0
8.758	8.362	209	32	0	0
10.483	9.804	101	0	0	0
6.269	5.805	348	31	0	0
8.182	7.801	300	19	0	0
9.492	9.291	176	0	0	0
10.414	10.411	245	0	0	0
12.179	11.784	333	0	0	0
10.536	10.334	311	0	0	0
7.529	7.335	1561	42	0	0
6.621	5.564	339	23	0	0
3.346	2.508	2965	43	0	0
4.702	4.772	411	35	0	0
6.608	6.632	288	28	0	0
14.503	13.542	78	15	0	0
6.327	6.016	560	44	0	0
11.847	11.542	56	0	0	0
12.849	12.539	99	0	0	0
12.67	12.231	168	0	0	0
5.208	4.977	757	20	0	0
5.228	4.485	447	25	0	0
4.722	4.6	358	29	0	0
11.408	11.051	113	0	0	0
11.947	11.499	110	0	0	0
15.338	15.22	47	0	0	0
12.27	12	32	0	0	0
12.957	12.695	74	17	0	0

11.16	11.13	51	0	0	0
10.659	10.436	103	0	0	0
14.037	13.504	65	0	0	0
10.361	9.943	315	0	0	0
4.075	3.9	673	33	0	0
4.768	4.619	278	35	0	0
14.251	13.767	47	25	0	0
8.82	8.472	214	47	0	0
10.481	10.242	66	0	0	0
6.708	6.298	348	31	0	0
8.541	8.359	271	36	0	0
10.882	10.497	116	0	0	0
14.765	13.289	158	0	0	0
13.35	13.113	216	0	0	0
11.125	0	16	0	0	0
9.052	8.539	1262	40	0	0
6.692	5.966	417	31	0	0
3.599	2.202	3623	50	0	0
4.784	4.672	328	40	0	0
8.023	7.757	1515	37	0	0
13.248	12.818	75	19	0	0
7.005	6.471	676	69	0	0

B\_DIS BR\_DIS SB\_TOT SB\_DIS BA\_TOT BA\_DIS BE\_TOT BE\_DIS CO\_TOT CO\_DIS

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CD_TOT	CD_DIS	CU_TOT	CU_DIS	CR_TOT	CR_DIS	CN_TOT_NFE_TOT	FE_DIS	Ferrous
0	0	0	0			249	0	
0	0	0	0			400	10	
0	0	0	0			848	0	
0	0	0	0			835	19	
0	0	0	0			322	18	
0	0	0	0			71	0	
0.31	0	5.7	2.6			5609	78	
0.42	0	8.5	3.6			8845	0	
0	0	0	0			744	14	
0	0	0	0			238	0	
0	0	0	0			58	17	
0	0	0	0			617	0	
0.21	0	0	0			793	12	
0.2	0	0	0			1735	22	
0.28	0	4.5	0			4209	17	
0	0	0	0			655	0	
0	0	0	0			140	0	
0	0	0	0			65	23	
0	0	0	0			50	14	
0	0	3.1	0			1505	0	
0	0	0	0			365	11	
0	0	0	0			117	19	
0	0	0	0			299	0	
0	0	0	0			195	0	
0	0	0	0			149	0	
0	0	0	0			1366	43	
0	0	0	0			239	17	
0	0	0	0			124	34	
0	0	0	0			25	21	
1	0	10.9	0			13439	176	
0.33	0	4.8	0			4572	23	
1.71	0	25.5	0			33600	87	
0.76	0.63	10	0			1557	0	
0.84	0.65	8.8	0			1730	21	
0.32	0.24	7.2	0			1656	15	
0.48	0.37	6.4	2.2			829	49	
0.46	0.32	12.5	4.4			625	49	
0.37	0.29	6.5	4			715	93	
0.35	0.29	6.8	3.4			782	26	
0.55	0.35	9.2	3.4			1548	29	

0.62	0.55	3.4	4.4		435	11
0.71	0.7	3.3	5		297	0
	0.92		2			0
0.55	0.49	5.4	2.1		1146	0
0.6	0.51	6.9	3.5		1376	14
0.96	0.85	7	0		2267	0
0.94	0.77	11	2.7		3095	12.5
0.65	0.54	9.4	3.9		933	130
0.42	0.42	6.8	3.4		566	87
0.52	0.43	4.4	2.2		422	11
0.83	0.52	11.6	2		2132	14
0.74	0.57	7.8	2.5		928	24
0.67	0.5	8.1	3.4		641	32
0.75	0.63	6.3	0		1292	16
0.97	0.71	8.3	0		2175	12
0.74	0.5	7	0		2059	0
0.89	0.42	20.9	0		5832	74
0.73	0.51	9.6	2.1		884	34
0.61	0.32	13.7	3		2110	42
0.54	0.44	5.3	0		467	54
0.38	0.23	3.9	0		674	0
0.67	0.48	5.9	0		586	13
0.51	0.41	6.5	3.2		543	68

0.54	0.43	3.8	0		635	89
0.65	0.53	7.1	0		1620	76
0.43	0.41	5.1	0		1273	72
0.38	0.32	5.5	6.2		722	27
0.34	0.25	5.2	3.3		493	30
0.33	0.26	7.4	3.5		873	27
0.32	0.34	4	3.6		609	37
0.24	0.25	0	2.9		182	92
0.29	0.3	3.6	0		204	117
0.33	0.32	0	0		309	159
0.45	0.4	3	0		532	95
0.47	0.35	0	0		296	110
0.5	0.41	4	2.3		1114	76
0.54	0.47	2.9	0		1055	122
0.55	0.52	4.2	2.3		713	71
0.53	0.43	7.5	3.7		810	80
0.44	0.4	5.5	3		534	66
0.31	0.3	2	2		175	91
0.51	0.44	6.5	2.3		846	46
0.42	0.37	3.4	2.3		417	63
0.5	0.46	5.7	2.8		510	47
0.58	0.42	4	0		994	93

0.55	0.44	0	0		390	84
0.46	0.45	0	0		417	78
0.57	0.45	3.8	0		1080	106
0.38	0.43	3.1	0		908	69
0.77	0.31	16.6	0		4913	23
0.43	0.36	5.1	0		570	32
0.63	0.22	14.1	2.2		2288	35
0.47	0.44	5.8	2.3		533	54
0.39	0.33	4.5	0		1327	33
0.37	0.36	2.2	0		253	72
0.38	0.32	5.7	2.5		467	48

0.39	0.32	0	0		177	10
0.3	0.26	0	0		216	12
0.37	0.27	2.2	0		340	12
0.42	0	8.2	6.2		1274	59
0.31	0	6.9	4		620	76
0.22	0.21	6.6	2.8		615	34
0.21	0	2.2	2.6		222	28
0.24	0	2.1	3.9		277	41
0.25	0	3.3	0		247	53
0.21	0	0	0		170	30
0.3	0	2.2	0		182	13
0.32	0.23	0	0		197	19
0.35	0.28	2.2	0		318	42
0.37	0.25	0	0		288	20
0.4	0.33	3.5	0		487	18
0.47	0.26	9.4	3.4		1031	56
0.41	0.27	5.7	2.5		573	66
0.22	0.25	2.2	0		162	41
0.22	0	3.1	0		380	13.5
0.25	0	3	2.3		238	20
0.36	0.26	4.2	0		504	52
0.32	0.29	2.5	0		405	42
0.24	0	0	0		338	10
0.32	0	0	0		367	0
0.37	0.27	2.6	0		560	11
0.34	0	2.5	0		537	12
0.62	0	9.5	0		1930	13
0.34	0.22	5.6	0		701	46
0.77	0	20.6	4.1		3361	91
0.42	0.2	3.6	0		425	33
0.21	0	3.6	0		656	14
0.31	0.23	0	0		110	11
0.31	0.2	5.4	2.7		580	57

0.27	0	0	0		168	0
0.32	0.2	3.4	2.2		147	12
0.23	0	0	0		239	13
0.45	0	9	5.5		1531	26
0.27	0	5.2	4.4		668	47
0.27	0	5.5	3		648	51
0	0	0	0		286	12
0	0	0	0		253	11
0	0	3.6	0		378	31
0	0	0	0		229	24
0	0	0	0		139	15
0.21	0	0	0		137	15
0.26	0	0	0		261	10
0.2	0	0	0		111	0
0.31	0	3	0		564	20
0.44	0	9.7	3.1		1413	79
0.33	0	5.6	2.5		623	85
0	0	2.3	2.7		65	0
0	0	2.1	0		161	13
0	0	2.6	2.1		70	0
0.28	0	5.3	2		596	42
0.2	0	0	0		235	28
0.29	0	0	0		174	11
0.25	0.2	0	0		223	0
0.33	0	2.3	0		354	0
0.21	0	0	0		384	0
0.37	0.22	4.4	5.2		863	25
0.36	0	5	0		730	22
0.88	0	21	2.6		3204	56
0.31	0.2	2.7	0		311	42
0.25	0	2.5	0		652	16
0	0	0	0		50	0
0.26	0	5.7	2.2		897	66
0	0	0	0		0	0
0	0	0	0		30	0
0	0	0	0		29	0
0	0	0	0		98	0
0	0	0	2.8		61	0
0	0	0	0		62	0
0	0	0	0		41	0
0	0	0	2.6		21	0
0	0	0	2.6		22	0
0	0	0	0		14	0
0	0	0	0		17	0

0	0	0	0		11	0
0	0	0	0		13	0
0	0	0	0		59	0
0	0	0	0		30	0
0	0	0	0		120	0
0	0	0	0		53	0
0	0	0	0		10	0
0	0	0	0		57	16
0	0	0	0		107	0
0	0	0	0		64	0
0	0	0	0		39	0
0	0	0	0		74	0
0	0	0	0		50	0
0	0	0	0		53	0
0	0	0	0		29	0
0	0	0	0		139	0
0	0	0	0		50	0
0	0	0	0		164	13
0	0	0	0		39	0
0	0	0	0		1133	0
0	0	0	0		49	0
0	0	2.7	0		109	0

0	0	0	0		0	0
0	0	0	0		18	0
0	0	0	0		10	0
0	0	0	0		79	16
0	0	0	0		110	17
0	0	0	0		23	0
0	0	0	0		22	0
0	0	0	0		14	0
0	0	0	0		0	0
0	0	0	0		0	0
0	0	0	0		0	0
0	0	0	0		0	0
0	0	0	0		0	0
0	0	0	0		20	0
0	0	0	0		64	0
0	0	2.3	0		32	0
0	0	2	3		0	0
0	0	0	0		0	0
0	0	0	0		37	0
0	0	0	0		12	0
0	0	0			10	
0	0	0	0		0	0

0	0	0	0		11	0
0	0	0	0		32	0
0	0	0	0		24	0
0	0	0	0		44	0
0	0	0	0		142	0
0	0	0	0		0	0
0	0	0	0		239	0
0	0	0	0		32	12
0	0	0	0		103	33

0.33	0.32	0	0		149	31
0.39	0.29	3.1	0		435	22
0.15	0	2.7	0		394	25.5
0.35	0	5.7	5		829	17
0.31	0	5.6	3.2		567	12
0.32	0	7.7	3.1		982	30
0.22	0	2.2	2.5		257	26
0.24	0.2	2.3	2.8		253	63
0.23	0	2.1	3.4		292	79
0.25	0.24	0	0		152	40
0.28	0.22	0	0		224	30
0.3	0	0	0		230	0
0.48	0.25	3.6	0		645	13
0.3	0.28	0	0		299	15
0.37	0.32	3.1	2.1		436	12
0.44	0.31	8.4	4.3		942	78
0.36	0.21	5.8	2.4		643	58
0	0	0	0		161	43
0.28	0	3.7	2.5		398	13
0.29	0	4.5	0		781	0
0.26	0.22	2.7	0		244	29
0.32	0.27	5.1	2.2		504	51
0.35	0.32	0	0		509	18
0.37	0.28	0	0		363	0
0.29	0	4.1	0		473	0
0.38	0.26	2.6	0		649	11
0.27	0.25	0	0		427	16
0.7	0	12.3	0		2520	14
0.29	0	5.8	0		754	38
0.72	0.2	18.4	2.6		2492	33
0.3	0.21	4.3	0		460	25
0.24	0	0	0		522	27
0	0	0	0		107	15
0.26	0	5.1	2.2		542	36

0.36	0.31	0	0		203	13
0.34	0.24	0	0		367	20
0.32	0.25	3	0		528	16
0.42	0	9.7	6		1383	39
0.3	0	9.6	3.9		716	13
0.25	0	6.5	4.6		805	44
0.31	0	6.6	2.9		802	19
0.58	0.21	7.3	0		965	31
0.32	0.24	2.1	3.2		320	45
0.29	0.2	2	0		287	72
0.28	0.27	0	0		220	34
0.28	0.27	2.1	0		217	20
0.33	0.28	0	0		199	19
0.37	0.24	0	0		332	0
0.32	0.26	0	0		292	23
0.46	0.37	3.6	0		518	11
0.44	0.32	8.7	4.2		1049	97
0.48	0.31	6.9	2.1		833	54
0.26	0.25	0	0		159	39
0.32	0.2	3.3	2.1		417	24
0.29	0.21	3.1	2.2		313	14
0.4	0.27	5	0		553	47
0.41	0.34	2.3	0		545	21
0.35	0.28	0	0		374	48
0.34	0.23	2.2	0		462	14
0.36	0	3.3	0		560	0
0.34	0.25	2	0		500	0
0.61	0	9.5	0		2299	26
0.24	0	4.5	0		573	15
0.79	0	24.5	3		3588	30
0.4	0.25	4.3	0		533	33
0.21	0	0	0		345	12
0	0.25	0	0		137	0
0.25	0	5.6	2.3		573	39
0.53	0.24	0	0		153	0
0.29	0.22	4.3	0		241	13
0.34	0	0	0		346	17
0.4	0	8	4.7		1299	30
0.3	0	6	3.9		752	47
0.27	0	6	3.1		690	31
0	0	0	0		355	16
0	0	3.7	6.4		350	28
0	0	0	2.9		220	41
0	0	0	2.2		160	30
0.26	0	0	0		181	13

0.25	0	4.9	0		157	16
0.23	0	0	0		266	18
0	0	0	0		148	15
0.38	0.27	3.8	3.9		722	17
0.43	0.23	8.9	3.8		1206	77
0.38	0.24	5.3	2.3		599	76
0.21	0	2.1	0		122	41
0.22	0	4.2	2.4		374	11
0	0	3	0		185	13
0.35	0.24	4.8	0		589	46
0.33	0.26	4.2	2.5		529	50
0.24	0	0	0		266	0
0.26	0	0	0		339	0
0.28	0	2.8	0		381	0
0	0	0	0		0	0
0.6	0	9.2	0		1971	17
0.31	0	5.2	0		700	37
1.14	0	29.1	2.7		4419	51
0.36	0.26	3.6	0		438	32
0.3	0	4.7	0		1540	0
0.21	0.22	0	0		125	0
0.33	0.21	5.8	2.3		792	55

HG_TOT_NHG_DIS_MLI_TOT	LI_DIS	MN_TOT	MN_DIS	NI_TOT	NI_DIS	PB_TOT	PB_DIS
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	11	8.8			0	0
	14.3	9.7			0	0
	21.7	10.1			0	0
	12.9	0			0	0
	7.1	0			0	0
	0	0			0	0
	74.5	6.2			6.3	0
	71.9	0			8.5	0
	13.9	6.6			0	0
	14.2	12			0	0
	8.5	8			0	0
	16.4	9.5			0	0
	16.4	9.6			0	0
	30.6	11.4			0	0
	69.7	6.8			5.1	0
	9.6	0			0	0
	5.8	0			0	0
	0	0			0	0
	0	0			0	0
	29.9	0			3.1	0
	12.1	7.5			0	0
	9.8	9.3			0	0
	13.4	9.9			0	0
	10.3	7.3			0	0
	10.8	9.3			0	0
	28.8	6.8			0	0
	9.7	6.4			3.5	0
	6.3	0			3.5	3.6
	0	0			0	3.3
	248	10.4			28.7	4
	53.3	0			4.1	0
	372.7	6.5			34.2	0

616.8	545.9	0	0
640.2	614.2	3.7	0
667.5	613.6	0	0
255.5	216.5	0	0
190.5	164.9	0	0
160.7	119.3	3.2	0
214.4	176.4	5.1	0
331.9	282.2	6.1	0

405.4	406.3	0	0
504	518.3	0	0
	647.2		0
410.2	377.9	0	0
409.2	391.1	0	0
769.5	755.8	0	0
642.2	621.7	6	0
282.4	249.2	4.1	0
205.4	182.5	3.6	0
269.7	250.7	0	0
449.3	424.7	19.2	0
449.9	414.2	3.7	0
328.1	299.6	0	0
458.8	448.6	0	0
786.1	760.7	0	0
590.4	583.2	0	0
834.3	675.7	15.1	0
480.8	441.5	5.9	3.1
362.2	117.4	35.2	0
253.6	224.9	6.4	0
274	251.5	9.4	0
383.5	390.5	0	0
251.4	235.1	0	0

353.9	330.4	0	0
506.9	468.1	3.3	0
285.9	276.9	0	0
188.6	141.4	3.5	0
131.1	113.9	0	0
203	150.2	6.2	0
171.2	143.8	0	0
102.4	97.6	0	0
101.9	97.8	0	0
164.2	157.8	0	0
297.4	283	0	0
219.4	211	0	0
302.2	262.3	3.2	0
395.4	368.2	0	0
358.2	346.7	0	0
203.1	168	4	0
158.3	138.6	4.2	0
100.8	99	0	0
260	247.8	5	0
194	180.3	0	0
257	247.3	0	0
290.4	279.4	0	0

293.1	270.1	0	0
353.2	336.7	0	0
439.1	413.7	0	0
296	267.8	0	0
554	298.3	13.6	3
265.9	247.5	4.1	0
391.2	108.5	36.5	0
233.8	212.9	7.8	3.5
230.7	202.8	17.3	3.8
184.5	180	0	0
201.4	186.3	0	0

231.6	246.6	0	0
271.6	237.2	0	0
270.7	240	0	0
171.6	62	8.8	0
95.3	47	4.6	0
106	58.9	4.5	0
75.9	38	0	0
76.1	39.4	0	0
79.7	43.4	0	0
104.6	87.2	0	0
126	107.9	0	0
192.9	162.5	0	0
227.1	199.2	0	0
274	228.4	0	0
224.7	189.9	0	0
157.8	72.8	6.8	0
105.2	62.7	4.9	0
63.3	43.1	0	0
113.1	53.6	3.3	0
66.7	45.1	0	0
118.5	91.2	3	0
150.8	143.6	0	0
190	174.1	0	0
183.1	168.8	0	0
289.1	259.1	0	0
183.4	137.8	0	0
288.8	142.3	13.4	3.2
132	101.2	7	0
512.6	53.5	53	0
118.4	84.4	7.5	3
119.8	86.5	7.5	4
50.2	41.4	0	0
118.2	71.8	3.2	0

154.2	124	0	0
208.8	183.2	0	0
171.9	140.7	0	0
189.3	38.6	10.1	0
87	27.4	4.8	0
95	36.1	5	0
17.6	0	0	0
20.2	5.4	0	0
47.9	19.5	0	0
39.8	26.5	0	0
49.8	38.1	0	0
84.6	74.9	0	0
123	104.5	0	0
198	175	0	0
157.4	88.1	0	0
162	44.5	8.6	0
86.8	41.2	4.2	0
24.5	13.1	0	0
42.5	8.5	0	0
12.8	7.9	0	0
83.1	43.7	4	0
83.6	74.4	0	0
129.6	118.2	0	0
148.6	140.4	0	0
222.1	174	0	0
128.9	99.5	0	0
137.2	85.3	8.1	3.4
107.7	53.8	8.4	3.1
497.5	44	52.8	3.4
82.5	59.5	5.8	0
94.8	29.5	6.9	0
8.9	7.5	0	0
114.5	39.1	4.6	0

0	0	0	0
0	0	0	0
8.8	7.8	0	0
16.4	10.7	0	0
9.5	6.6	0	0
21.2	17.6	0	0
14	9.8	0	0
13.8	8.4	0	0
19	17.8	0	0
0	0	0	0
9.2	7.3	0	0

5.9	0	0	0
0	0	0	0
22.5	5.4	0	0
12.4	7	0	0
27.2	14.7	0	0
22.3	18.5	0	0
10.4	8	0	0
28	22	0	0
30.8	22.9	0	0
39.2	38.4	0	0
23.5	18.7	0	0
25	22.2	0	0
26.5	22.2	0	0
27.9	23.4	0	0
20.5	16	0	0
47.7	14.6	0	0
18	11	0	0
30.8	18.5	0	0
29.6	27.8	3.2	3.6
82.5	18.6	5.3	0
35.9	29.9	0	0
31	25.1	0	0

0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
11.6	0	0	0
0	0	3.2	0
15.7	0	3.5	0
0	0	0	0
10.5	0	0	0

225	211.6	0	0
351	259.4	0	0
268.6	229	0	0
113.8	53.1	5.5	0
84.4	41.9	4.4	0
121.7	60	7.1	0
85.7	37.1	0	0
74.4	43.2	0	0
113.4	71.4	0	0
112.5	103.6	0	0
150.5	124.1	0	0
205	159.8	0	0
324.6	195.3	4.9	0
306.6	241.2	0	0
213.5	183.6	0	0
151.8	81.2	6.3	0
101.5	61.5	4.6	0
65.4	41.4	0	0
118.4	62.2	3.3	0
118.5	77.3	8.9	0
78	60.6	0	0
123.3	101.7	3.3	0
162.2	143	0	0
180.2	164.5	0	0
208.3	173	3.1	0
260.8	239.7	0	0
163.4	145.4	0	0
291.1	167.6	19.1	3.7
145.7	111.8	6.1	0
429.3	70.3	47.2	0
110.6	79.8	8.1	0
107.9	88	6	3.4
58.8	49.8	0	0
110.9	67	0	0

271.2	260	0	0
351.6	314.5	0	0
307.1	273.1	3.1	0
161	67.6	8	0
101.9	50.1	4.6	0
113.1	35.6	6.2	0
125.5	63.5	7	0
211.8	75.2	13	0
124	96.2	0	0
145.1	121.3	0	0
151.5	144.1	0	0
164.7	148.5	0	0
213.5	192.7	0	0
244	226.7	0	0
342	317.2	0	0
246	225.3	0	0
140.7	73.9	6.5	0
148.9	72.4	7.1	0
85.7	80.7	0	0
121.2	95.2	3.4	0
104.6	89.7	3.5	0
134.5	106	0	0
182	156.8	0	0
195.2	183.4	0	0
202.1	189.8	0	0
286.1	264.4	0	0
193	179	0	0
297.7	151.4	15.9	3.2
119.5	88	5.2	3.2
603.3	66.4	62.3	0
140.6	103	9.1	3.4
108.3	92.5	6.6	4.1
88.5	78.9	0	0
121.2	76.9	3.5	0

186.4	174.9	0	0
245.4	225.5	0	0
230	180.7	0	0
166.5	49.5	8	0
98	37.7	5.7	0
109.5	49.4	5.8	0
64.1	19.1	0	0
44.4	13.3	0	0
45.8	22.4	0	0
61.8	49.3	0	0
97	73.5	0	0

138.5	125.8	0	0
181.4	150.8	0	0
221.8	195.8	0	0
210.5	150.1	3.2	0
153.3	56.8	7.8	0
107.2	60.6	5	0
44.9	28.3	0	0
95.4	20.8	3.6	0
42.6	17.8	0	0
110.4	78.6	0	0
142.1	119.1	3.6	0
171.7	158.4	0	0
201	167.4	0	0
234.8	211.8	0	0
138.7	0	0	0
280.2	139.1	16.2	3.4
121.4	81.3	6.8	0
689.8	50	74.7	3.4
115	77	7.7	0
115.5	57.6	9.7	4
36.3	24.1	0	0
118.6	59.5	4	0

SE_TOT	SE_DIS	SR_TOT	SR_DIS	TL_TOT	TL_DIS	V_TOT	V_DIS	ZN_TOT	ZN_DIS
0	0							0	0
0	0							0	0
0	0							8.5	14.4
0	0							3.9	0
0	0							9.6	8.8
0	0							0	0
0	0							28	3.3
0	0							34.9	0
0	0							0	0
0	0							5.2	0
0	0							8.3	9.8
0	0							3.3	0
0	0							5.2	0
0	0							6.3	0
0	0							16.7	0
0	0							0	0
0	0							0	0
0	0							0	0
0	0							6.2	0
0	0							6	0
0	0							0	0
0	0							0	4.3
0	0							0	0
0	0							0	0
0	0							0	3.4
0	0							6.4	0
0	0							0	0
0	0							4	9.7
0	0							13.6	0
0	0							58.7	13.2
0	0							20.9	0
0	0							112.4	4.4
0	0							281.8	202
0	0							327.7	225.8
0	0							280.1	194.7
0	0							156.2	101.3
0	0							136.9	94.5
0	0							104.2	64.8
0	0							106	76.6
0	0							206.2	89.5

0	0	177.8	135
0	0	230.3	212.4
	0		308.5
0	0	241.6	159.3
0	0	237.3	161.3
0	0	364.1	271.4
0	0	350.4	226.8
0	0	176.4	136.7
0	0	135.4	101.9
0	0	154.8	112.2
0	0	244.2	111
0	0	206.8	133.6
0	0	170.2	112.2
0	0	241.3	181.9
0	0	346.6	258
0	0	273.5	171.1
0	0	318.6	114.2
0	0	224	157
0	0	163.2	69.1
0	0	146	127.1
0	0	112.2	68.5
0	0	190.4	138.8
0	0	153.7	126.5

0	0	165.3	147
0	0	231.6	175.2
0	0	148.1	112.3
0	0	108.9	73.1
0	0	88.9	63.9
0	0	98.7	65.8
0	0	88.8	61.9
0	0	45.5	42.7
0	0	49.2	42.9
0	0	79.2	75
0	0	147.7	128.7
0	0	123	113.6
0	0	152.8	112.8
0	0	173.8	143.7
0	0	178.8	146
0	0	142	105.6
0	0	104.9	84.4
0	0	53.7	48.8
0	0	132.2	99.4
0	0	90.7	72.2
0	0	125.2	99.7
0	0	151.6	121.8

0	0	145.1	129.1
0	0	157.6	144.4
0	0	201.8	163.9
0	0	137.8	106.4
0	0	285.2	88.8
0	0	121.1	99.6
0	0	159.2	67.9
0	0	125.1	103.8
0	0	133.2	85.3
0	0	89.8	81.4
0	0	114.1	91.1

0	0	116.2	120.5
0	0	96.4	80.3
0	0	99.4	80.3
0	0	107.3	43.2
0	0	91.7	58.5
0	0	76.1	49.4
0	0	35.8	23.4
0	0	31.3	19.4
0	0	31.6	22.3
0	0	45.9	37.3
0	0	75.7	66.1
0	0	92	81
0	0	100.5	82.8
0	0	96.1	86
0	0	116.8	91.6
0	0	108.1	57.9
0	0	87	58.9
0	0	33.4	23.1
0	0	46.9	23.5
0	0	35.1	24.1
0	0	89.4	61.9
0	0	99.6	88.9
0	0	103.4	89.1
0	0	92	74.9
0	0	121.8	95.4
0	0	89.9	40.7
0	0	160.1	44.7
0	0	97.4	60.9
0	0	202.4	55.1
0	0	88.2	61.9
0	0	70.2	49.4
0	0	33.4	29.3
0	0	85.2	52.7

0	0		85.9	64.2
0	0		79.7	58
0	0		66.3	37.7
0	0		124.7	33
0	0		78.2	42.3
0	0		73.4	33.6
0	0		10.6	5.4
0	0		10.8	5.8
0	0		10.4	4.7
0	0		13.4	5.8
0	0		42.4	30
0	0		57.3	45.5
0	0		59.4	38.1
0	0		48.7	33.7
0	0		66	26.2
0	0		111	36.6
0	0		73.5	34.2
0	0		9.2	5.2
0	0		17.4	0
0	0		7.2	3.6
0	0		64.4	31.5
0	0		54.1	35.2
0	0		78.6	65.2
0	0		73.4	55.6
0	0		87.7	48.6
0	0		49.9	22.4
0	0		75.2	27.4
0	0		82.1	28.5
0	0		203.6	34.1
0	0		57.3	32.6
0	0		53.7	18.4
0	0		13.1	8.7
0	0		81.8	40.4

0	0		0	0
0	0		3.2	0
0	0		8.8	6.3
0	0		8.3	16.2
10.8	0		4.5	5.8
0	0			5.8
0	0		3.3	3.7
0	0		6.2	5.1
0	0		6.9	6.5
0	0		3.9	3.8
0	0		6.9	3.4

0	0	5.1	0
0	0	5	9.6
0	0	5.2	3.4
0	0	5.2	3.3
0	0	5.2	0
0	0	7	4.7
0	0	0	5.3
0	0	4	0
0	0	6.7	3.4
0	0	8.3	5.7
0	0	6.3	3.6
0	0	10	4.5
0	0	9	0
0	0	10.7	5.3
0	0	7.9	0
0	0	8.6	0
0	0	3.6	3
0	0	10.4	7
0	0	17.9	18.4
0	0	12.6	9
0	0	13	5.3
0	0	19	9.8

0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	3.1	0
0	0	17.5	6.9
0	0	4	9.6
0	0	7.1	4.8
0	0	5.2	5.4

0	0	96.4	85.7
0	0	109.5	82
0	0	84.1	62.7
0	0	77.2	40.1
0	0	61.5	36.6
0	0	85.6	43.7
0	0	37.6	20.4
0	0	27.1	15.3
0	0	27.8	17
0	0	45.7	37.2
0	0	77.3	64
0	0	86.5	72.1
0	0	107.7	62.5
0	0	93.3	69
0	0	109	83.3
0	0	102.2	61.3
0	0	81.7	53.5
0	0	25.9	18.4
0	0	54.4	28.9
0	0	50.8	22
0	0	36.1	25.4
0	0	86.2	60.5
0	0	100.3	81.7
0	0	98.9	83
0	0	98	70.7
0	0	104.6	75.3
0	0	72.4	50.8
0	0	173.2	55.9
0	0	102.4	67.4
0	0	174.7	47.6
0	0	84.3	69.8
0	0	59.8	43.1
0	0	30.7	25.4
0	0	80.2	52.6

0	0	119.1	110.4
0	0	113.5	93.9
0	0	109.3	88.5
0	0	109.8	50.2
0	0	78.2	43.3
0	0	72.6	39.2
0	0	82	47.2
0	0	97.2	28.5
0	0	44.1	29.6
0	0	42.4	30.1
0	0	59.8	52
0	0	88.3	75.1
0	0	92.9	83.8
0	0	95.3	81.4
0	0	119.6	104.4
0	0	126.8	106.5
0	0	112.2	69.6
0	0	101.9	62.8
0	0	36.2	31.6
0	0	59.7	43.2
0	0	45.7	35.4
0	0	93.8	65.7
0	0	120.2	92.8
0	0	114.4	94.7
0	0	104.4	86.2
0	0	119.9	94
0	0	92.2	71.8
0	0	156.4	33.4
0	0	82	54.2
0	0	212	44.5
0	0	99.6	73.3
0	0	63.2	50.2
0	0	45.7	36.6
0	0	88.4	56.3
0	0	92.3	81.4
0	0	102.5	68.8
0	0	90	62
0	0	105.4	39.6
0	0	91.9	41
0	0	76.9	41.3
0	0	26.1	9.5
0	0	19.7	10.7
0	0	17.9	9.6
0	0	28.4	20.9
0	0	59.3	47.3

0	0	75.8	62.9
0	0	73.1	57.3
0	0	68.9	54.6
0	0	101.1	66.9
0	0	107.8	50.8
0	0	82.8	51.1
0	0	20	11.3
0	0	39.2	0
0	0	22	8.4
0	0	75.5	47
0	0	93.5	62.3
0	0	92.7	78.3
0	0	91.4	68.1
0	0	91.1	67.6
0	0	40.7	0
0	0	151.5	22.9
0	0	88.2	45.5
0	0	255.8	37.5
0	0	82.2	53.2
0	0	67	28.5
0	0	24.8	17.8
0	0	85.2	45.6

DIS_OXY_NDO SAT.	TSS_MG	TDS_MG	T_PHOS_MP_DIS_MGPO4_DIS_NSI_TOT_MISI_DIS_MGNA_TOT_N%
			19.165
			18.954
			18.881
			4.318
			7.625
			13.664
			16.456
			14.49
			1.7692
			20.493
			36.743
			13.655
			16.537
			12.362
			8.703
			3.088
			10.901
			7.173
			8.281
			11.145
			7.501
			8.242
			10.085
			6.374
			7.376
			4.634
			3.355
			4.429
			7.195
			8.533
			8.882
			6.192
			2.425
			2.692
			2.366
			1.619
			1.391
			1.141
			0.936
			1.497

2.067  
2.431

2.565  
1.243  
1.508  
2.221  
0.456  
0.851  
0.73  
0.715  
1.109  
0.786  
0.94  
1.312  
1.18  
1.134  
0.812  
0.204  
0.474  
0.445  
0.888  
0.664

13.896  
12.902  
12.73  
3.924  
3.94  
3.969  
15.599  
25.727  
33.156  
29.806  
18.483  
11.353  
9.15  
9.485  
12.09  
1.673  
2.614  
1.698  
6.202  
13.107  
3.599  
6.718

9.08  
6.59  
7.212  
5.591  
2.579  
3.163  
0.785  
2.021  
4.041  
9.272  
2.404

18.427  
19.963  
14.948  
3.622  
5.262  
5.496  
23.449  
2.5653  
27.424  
26.17  
21.934  
12.454  
10.649  
10.252  
11.607  
1.7  
3.826  
14.313  
8.494  
15.552  
3.945  
8.114  
9.474  
8.142  
8.588  
6.359  
4.011  
2.646  
0.682  
3.07  
6.197  
9.841  
2.32

16.597  
18.486  
18.19  
3.896  
5.384  
6.444  
22.929  
26.994  
34.404  
26.743  
24.081  
13.503  
12.256  
13.453  
12.357  
1.664  
3.722  
14.391  
8.966  
15.985  
4.279  
7.321  
9.462  
10.125  
9.912  
6.877  
4.154  
2.972  
0.697  
3.152  
6.016  
10.362  
2.485

2.592  
2.364  
2.498  
1.236  
1.32  
1.128  
1.593  
1.885  
1.984  
2.234  
3.105

1.439  
1.572  
1.868  
1.797  
0.318  
0.915  
0.945  
0.793  
1.126  
0.798  
0.96  
0.998  
1.088  
1.083  
1.182  
0.882  
0.728  
0  
0.53  
0.612  
0.939  
0.771

4.909  
5.391  
4.736  
2.409  
1.87  
2.66  
3.624  
4.144  
5.22  
5.637  
7.328  
3.728  
3.664  
3.027  
2.881  
0.861  
1.618  
1.691  
2.905  
1.835  
2.098  
1.929  
2.086

2.233  
1.828  
1.495  
1.101  
0.637  
1.394  
1.612  
2.064  
1.276

15.002  
20.387  
13.28  
3.462  
4.176  
4.452  
23.286  
25.936  
33.41  
29.747  
22.111  
12.314  
11.045  
12.886  
10.921  
1.87  
2.569  
13.659  
8.676  
9.621  
15.156  
4.38  
7.313  
8.472  
7.7  
10.606  
6.164  
3.915  
3.256  
1.03  
2.382  
4.462  
10.665  
2.386

15.268  
19.235  
14.047  
3.678  
4.831  
3.092  
4.121  
23.432  
26.541  
35.111  
26.836  
22.417  
12.857  
11.293  
13.513  
11.48  
1.535  
4.066  
14.213  
8.702  
15.959  
4.234  
7.702  
8.957  
7.725  
8.683  
6.514  
3.234  
3.011  
0.861  
2.665  
4.729  
10.642  
2.276

17.111  
20.186  
16.337  
3.654  
5.189  
5.891  
23.671  
25.817  
33.637  
25.957  
22.503

12.305  
11.162  
12.589  
11.885  
1.66  
5.704  
14.152  
8.772  
15.522  
4.374  
7.576  
9.916  
10.079  
9.37  
6.466  
4.361  
3.83  
0.87  
3.23  
6.558  
9.84  
2.496

NA_DIS_MCL_MG	F_MG	HCO3_MG	CO3_MG	OH_MG	NH3_MG	NO2_MG	NO3_MG	NO2_NO3_as N
19.048								
18.654								
18.34								
4.207								
7.423								
13.295								
16.053								
13.276								
17.794								
19.781								
36.716								
12.879								
16.108								
11.932								
8.71								
3.098								
10.373								
7.118								
7.992								
10.351								
7.195								
7.808								
9.728								
6.253								
7.367								
4.505								
3.389								
4.335								
5.935								
8.665								
8.602								
5.43								
2.399								
2.487								
2.355								
1.485								
1.264								
1.084								
0.919								
1.468								

2.182  
2.577  
2.513  
2.599  
1.227  
1.518  
1.944  
0.452  
0.802  
0.7  
0.721  
1.053  
0.75  
1.016  
1.305  
1.338  
1.049  
0.885  
0.228  
0.464  
0.424  
1.024  
0.686

13.272  
12.42  
11.393  
3.197  
3.871  
3.878  
15.386  
25.203  
32.283  
28.74  
18.118  
10.739  
8.765  
9.387  
11.532  
1.576  
2.577  
13.543  
6.278  
12.79  
3.616  
6.513

9.226  
6.406  
7.146  
5.345  
2.532  
3.083  
0.687  
2.125  
3.759  
9.285  
2.357

16.296  
17.316  
14.344  
3.805  
4.782  
5.271  
22.748  
25.555  
27.351  
25.523  
21.829  
12.315  
10.594  
9.943  
11.328  
1.628  
3.608  
13.501  
8.474  
15.236  
3.675  
7.819  
9.212  
8.018  
8.532  
6.385  
3.907  
2.772  
0.757  
2.995  
6.084  
9.682  
2.136

16.394  
18.078  
17.365  
3.159  
5.339  
6.366  
22.617  
26.37  
32.918  
25.698  
22.945  
13.19  
11.983  
12.616  
12.004  
1.611  
3.63  
13.775  
8.593  
15.674  
4.272  
7.293  
9.254  
9.319  
9.217  
6.864  
3.525  
3.007  
0.653  
3.149  
6.121  
10.158  
2.47

2.54  
2.347  
2.371  
1.403  
1.304  
1.013  
1.648  
1.974  
1.976  
2.225  
2.922

1.581  
1.363  
1.479  
1.729  
0  
0.893  
0.65  
0.793  
1.067  
0.872  
1.032  
1.034  
1.044  
1.095  
1.018  
0.875  
0.766  
0  
0.576  
0.571  
0.882  
0.67

4.976  
4.86  
3.967  
2.394  
1.777  
2.739  
3.578  
4.142  
5.205  
4.587  
7.277  
3.646  
3.682  
3.092  
2.927  
0.686  
1.605  
1.654  
2.81  
1.542  
2.244

2.139

2.117  
1.822  
1.575  
1.127  
0.658  
1.418  
1.663  
1.882  
1.38

14.505  
18.671  
13.024  
3.486  
4.208  
4.468  
22.647  
25.9  
33.549  
29.872  
21.413  
12.069  
10.447  
10.187  
10.506  
1.831  
2.562  
12.757  
8.318  
9.712  
14.9  
4.199  
7.411  
8.493  
7.516  
9.889  
6.112  
3.628  
3.185  
0.927  
2.412  
4.393  
10.317  
2.228

14.948  
18.265  
13.663  
3.282  
4.699  
3.144  
4.24  
23.179  
26.575  
33.027  
26.042  
21.244  
12.663  
11.124  
12.787  
10.857  
1.629  
4.216  
13.894  
8.549  
14.991  
3.674  
7.404  
8.756  
7.758  
8.456  
6.422  
3.216  
2.512  
0.815  
2.788  
4.816  
10.068  
2.187

16.683  
19.087  
15.934  
3.631  
4.462  
5.773  
23.281  
25.544  
33.422  
25.414  
20.411

12.294  
11.042  
11.921  
11.831  
1.729  
5.573  
13.759  
8.51  
15.237  
4.195  
7.511  
9.621  
9.068  
9.324  
0  
4.319  
2.229  
0.625  
3.203  
4.929  
9.577  
2.401

K_TOT	MCK_DIS	MGSO4_MG	BI_TOT	BI_DIS	GA_TOT	GA_DIS	MO_TOT	MO_DIS	SN_TOT
1.769		1.732							
1.664		1.61							
2.094		1.947							
0.97		0.885							
1.142		1.092							
1.571		1.604							
2.643		2.188							
2.334		1.714							
1.963		1.929							
2.019		1.922							
3.237		3.259							
1.641		1.617							
1.987		1.815							
2.172		2.008							
1.48		1.213							
1.16		1.132							
1.462		1.386							
1.853		1.822							
2.113		1.988							
2.629		2.15							
1.601		1.533							
1.761		1.652							
1.855		1.802							
1.432		1.401							
1.62		1.646							
1.67		1.534							
1.029		1.01							
0		0							
0.759		0.373							
0.82		0.463							
0.753		0.624							
1.148		0.614							
0.779		0.78							
0.954		0.806							
0.839		0.817							
0.685		0.546							
0.582		0.522							
0.513		0.453							
0.452		0.431							
0.734		0.694							

0.802	0.833
0.876	0.925
	0.898
1.03	1.023
0.8	0.745
0.988	1.004
0.572	0.578
0.48	0.455
0.475	0.449
0.765	0.757
0.745	0.617
0.883	0.823
0.616	0.589
0.664	0.718
0.993	0.988
0.863	0.908
0.856	0.749
0.59	0.715
0	0
0	0
0	0
0.267	0.247
0.205	0.225

2.674	2.575
2.5	2.431
2.612	2.305
1.037	0.819
0.955	0.923
0.929	0.887
2.683	2.64
4.427	4.383
5.648	5.322
5.231	5.06
3.39	3.33
3.1	2.753
2.351	2.232
3.511	3.459
2.312	2.194
0.948	0.907
0.895	0.885
4.861	4.84
2.035	2.055
3.255	3.161
1.429	1.452
2.325	2.293

2.647	2.754
2.639	2.578
2.935	2.832
2.361	2.302
1.373	1.312
1.436	1.485
0	0
0.209	0
0.228	0.133
1.059	1.064
0.401	0.385

3.422	3.108
3.843	3.243
3.01	2.856
1.031	1.006
1.227	1.097
1.165	1.163
3.86	3.75
4.313	4.283
4.841	4.821
4.621	4.512
4.114	4.102
3.116	3.112
2.674	2.646
3.614	3.551
2.154	2.083
0.897	0.856
1.289	1.143
4.95	4.656
2.605	2.718
3.641	3.756
1.537	1.463
2.741	2.673
3.159	3.08
3.229	3.147
3.325	3.254
2.637	2.551
1.84	1.775
1.24	1.247
0	0
0.285	0.276
0.341	0.325
1.058	1.05
0.398	0.334

2.852	2.816
3.064	2.935
3.272	3.083
1.031	0.804
1.144	1.212
1.248	1.231
3.721	3.714
4.47	4.401
5.572	5.501
4.702	4.493
4.45	4.222
3.285	3.166
2.895	2.808
4.205	3.929
2.181	2.054
0.955	0.892
1.236	1.158
4.803	4.616
2.726	2.597
3.623	3.543
1.544	1.516
2.304	2.295
3.031	2.952
3.543	3.639
3.652	3.326
2.634	2.605
2.03	1.673
1.423	1.344
0	0
0.277	0.278
0.259	0.262
1.121	1.046
0.41	0.404

0.74	0.712
0.675	0.667
0.698	0.706
0.492	0.547
0.553	0.556
0.346	0.378
0.483	0.476
0.548	0.56
0.692	0.699
0.693	0.684
0.871	0.756

0.526	0.464
0.621	0.426
0.87	0.664
0.413	0.424
0.359	0.317
0.389	0.377
0.504	0.612
0.507	0.513
0.613	0.569
0.528	0.562
0.61	0.675
0.541	0.552
0.565	0.535
0.639	0.657
0.656	0.573
0.672	0.649
0.585	0.664
0	0
0	0
0	0
0	0
0.27	0

0.924	0.931
0.898	1.055
0.924	0.794
0.653	0.645
0.619	0.544
0.727	0.723
0.871	0.851
0.959	0.954
1.057	1.06
1.059	1.061
1.49	1.497
0.824	0.796
0.749	0.758
1.084	1.12
0.564	0.558
0.546	0.5
0.701	0.663
0.957	0.953
1.048	1.109
0.823	0.8
0.938	1.043
0.759	
0.823	0.832

0.994	0.934
0.798	0.785
0.732	0.858
0.717	0.711
0	0
0.532	0.527
0	0
0.346	0.284
0.277	0.272

2.777	2.683
3.818	3.493
2.591	2.528
0.996	0.939
1.017	0.981
1.069	1.028
3.88	3.813
4.513	4.39
5.432	5.445
4.953	5.015
4.173	4.025
3.112	2.955
2.712	2.634
4.357	3.59
2.029	1.943
1.022	0.987
0.988	0.965
4.837	4.479
2.671	2.542
2.516	2.534
3.631	3.648
1.616	1.53
2.444	2.47
2.79	2.801
3.08	2.945
2.83	3.013
2.555	2.527
1.755	1.913
1.462	1.46
0	0
0.244	0.247
0.226	0.222
1.179	1.137
0.39	0.374

2.817	2.751
3.499	3.332
2.722	2.625
0.935	0.89
1.095	1.04
0.822	0.91
0.996	0.994
3.888	3.818
4.49	4.472
5.702	5.347
4.774	4.64
4.185	3.965
3.198	3.131
2.798	2.724
4.594	4.351
2.189	2.011
0.911	0.89
1.082	1.103
4.948	4.868
2.814	2.631
3.808	3.617
1.477	1.443
2.542	2.468
2.957	2.952
3.112	3.116
3.476	3.387
2.66	2.644
1.68	1.639
1.389	1.242
0	0
0.273	0.277
0.222	0.226
1.169	1.1
0.392	0.365

3.095	2.991
3.792	3.288
3.15	3.052
1.009	0.938
1.123	1.023
1.225	1.182
3.901	3.824
4.376	4.414
5.696	5.681
4.653	4.541
4.233	3.595

3.118	3.075
2.769	2.707
4.194	3.998
2.265	2.297
0.951	0.929
1.246	1.215
4.897	4.796
2.781	2.639
3.75	3.663
1.545	1.472
2.72	2.507
3.342	3.238
3.78	3.407
3.619	3.673
2.565	0
2.23	2.093
1.596	1.483
0	0
0.299	0.288
0.328	0.294
1.07	0.1034
0.409	0.39

SN_DIS	TI_TOT	TI_DIS	ZR_TOT	ZR_DIS	SiO2_TOT	SiO2_Dis	nSum	CatioSum	AnionSum	Balance
							meq/L	meq/L	meq/L	















Sampler	Well Depth feet	Water level feet	Casing abv. Grd.	water column	DOC	TOC
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**CEMENT CREEK DATA**

Lab Name	Lab. Sample Lab Job #	BASIN	NEW SITE	STRM_DESCR	OLD SITE	D
Lab. Design. Lab. ProjecReport I. D.						
DPW	323.224	CC			CC48	
DPW	323.225	CC			CC48	
DPW	323.226	CC			CC48	
DPW	323.227	CC			CC48	
DPW	323.228	CC			CC48	
DPW	323.229	CC			CC48	
DPW	323.23	CC			CC48	
DPW	323.231	CC			CC48	
DPW	323.232	CC			CC48	
DPW	323.233	CC			CC48	
DPW	323.234	CC			CC48	
DPW	323.235	CC			CC48	
DPW	323.236	CC			CC48	
DPW	323.237	CC			CC48	
DPW	323.238	CC			CC48	
DPW	323.239	CC			CC48	
DPW	323.24	CC			CC48	
DPW	323.241	CC			CC48	
DPW	323.242	CC			CC48	
DPW	323.243	CC			CC48	
DPW	323.244	CC			CC48	
DPW	323.245	CC			CC48	
DPW	323.246	CC			CC48	
DPW	323.247	CC			CC48	
DPW	323.248	CC			CC48	
DPW	323.249	CC			CC48	
DPW	323.25	CC			CC48	
DPW	323.252	CC			CC48	
DPW	323.253	CC			CC48	
DPW	323.254	CC			CC48	
DPW	323.255	CC			CC48	
DPW	323.256	CC			CC48	
DPW	323.257	CC			CC48	
DPW	323.258	CC			CC48	
	L88722-01	CC	Evelyn			
	L89825-01	CC	Evelyn			

OTHER	NALIA	DMG & Ot	USGS AML MISNOM	SAMPLE N	DATE	TIME_24H	AGENCY	COMMENT	TYPE
					1/5/2012	12:45:00	CRW		
					2/9/2012	13:10:00	CRW		
					3/7/2012	13:10:00	CRW		
					4/3/2012	9:22:00	CRW		
					5/2/2012	9:45:00	CRW		
					6/2/2012	13:15:00	CRW		
					8/6/2012	9:55:00	CRW		
					9/4/2012	13:15:00	CRW		
					10/3/2012	12:25:00	CRW		
					11/7/2012	10:25:00	CRW		
					12/10/2012	10:45:00	CRW	metals taken and filtered	1
					1/7/2013	9:45:00	CRW		
					2/7/2013	10:00:00	CRW		
					3/11/2013	10:15:00	CRW		
					4/10/2013	10:15:00	CRW		
					5/7/2013	12:55:00	CRW		
					6/5/2013	13:05:00	CRW	High flow nutrient sample	
					7/7/2013	13:45:00	CRW		
					8/4/2013	8:30:00	CRW		
					9/10/2013	12:55:00	CRW	River up from rain	
					10/2/2013	13:20:00	CRW		
					11/8/2013	10:00:00	CRW		
					12/13/2013	10:15:00	CRW		
					1/8/2014	9:45:00	CRW	filtered in lab	
					2/7/2014	10:15:00	CRW		
					3/5/2014	10:00:00	CRW		
					4/10/2014	9:15:00	CRW		
					6/6/2014	13:10:00	CRW		
					7/1/2014	12:35:00	CRW		
					8/1/2014	12:05:00	CRW	Turbid, raining past 3 days	
					9/5/2014	10:30:00	CRW		
					10/2/2014	9:15:00	CRW	September rain and snow	
					11/7/2014	9:15:00	CRW	low flow nutrient	
					12/5/2014	10:30:00	CRW		
					6/17/2011		Peltz		
					8/9/2011		Peltz		

PURPOSE	LAT_DD	LONG_DD	ELEV_FT	provisional			pH-lab	TEMP_C
				daily mean	instantane	EST_Q_GPPH		
				flow_CFS	FLOW_CFS			
430	37.8200	107.6631	9380			3.02	2.5	
	37.8200	107.6631	9380			2.99	3.5	
	37.8200	107.6631	9380			2.91	2.5	
	37.8200	107.6631	9380			3.5		
	37.8200	107.6631	9380			3.49	4	
	37.8200	107.6631	9380			3.96	7.5	
	37.8200	107.6631	9380			3.04	10.3	
	37.8200	107.6631	9380			2.95	12.5	
	37.8200	107.6631	9380			2.88	9	
	37.8200	107.6631	9380			3	4	
	37.8200	107.6631	9380			2.88	0	
	37.8200	107.6631	9380			2.83	0	
	37.8200	107.6631	9380			2.89	0	
	37.8200	107.6631	9380			2.98	0	
	37.8200	107.6631	9380			2.99	2	
	37.8200	107.6631	9380			3.8	6	
	37.8200	107.6631	9380			4.54	11.5	
	37.8200	107.6631	9380			3.39	15	
	37.8200	107.6631	9380			3.34	7.5	
	37.8200	107.6631	9380			3.07	10.5	
	37.8200	107.6631	9380			3.61	8	
	37.8200	107.6631	9380			2.93	2	
	37.8200	107.6631	9380			3	0	
	37.8200	107.6631	9380			2.98	2	
	37.8200	107.6631	9380			2.93	1	
	37.8200	107.6631	9380			3.02	0.5	
	37.8200	107.6631	9380			3.14	2	
	37.8200	107.6631	9380			4.3	9.5	
	37.8200	107.6631	9380			4.73	10.5	
	37.8200	107.6631	9380			3.34	11.5	
	37.8200	107.6631	9380			3.04	8.5	
	37.8200	107.6631	9380			3.91	2.5	
	37.8200	107.6631	9380			3.38	2	
	37.8200	107.6631	9380			3.42	3	
						3.2		
						3.2		

field Cond.lab cond.	HARD_MG as CaCO3=	Field Alk mg/l	Phen_Alk Mg/l	Total alk. Mg/l	ACIDITY	CA_TOT_M Ca_DIS_M Ca as CaCC	Totals
	564		0	0	174.284	165.336	
	572		0	0	177.158	176.126	
	584		0	0	184.36	162.338	
	268		0	268	85.18	84.672	
	192		0	0	62.499	61.011	
	174		0	0	60.696	58.497	
	432		0	0	153.772	148.274	
	528		0	0	147.419	146.597	
	560		0	0	197.802	196.825	
	556		0	0	203.952	194.713	
	612		0	0	219.774	216.096	
	632		0	0	187.484	179.058	
	568		0	0	177.649	175.394	
	564		0	0	194.732	184.571	
	496		0	0	172.727	171.926	
	212		0	0	69.089	68.353	
	164		0	0	56.3	54.604	
	416		0	0	157.074	152.209	
	358		0	0	119.947	117.093	
	390		0	0	138.394	133.971	
	292		0	0	101.898	101.905	
	416		0	0	147.26	142.849	
	480		0	0	167.691	167.146	
	528		0	0	160.907	160.524	
	536		0	0	180.722	175.054	
	544		0	0	175.499	171.914	
	320		0	0	97.306	96.348	
	78		0	2	36.791	33.419	
	168		0	0	54.334	53.229	
	336		0	0	110.368	106.64	
	468		0	0	242.912	222.814	
	288		0	0	138.126	134.906	
	464		0	0			
	500		0	0			
	58					5.1	

MG_TOT_IMG_DIS_MAL_TOT	AL_DIS	AG_TOT	AG_DIS	AS_TOT	AS_DIS	AU_DIS	B_TOT
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9.772	9.559	6867	6657		0	0	
9.529	9.651	6826	6823		0	0	
11.466	9.62	7677	6963		0	0	
5.946	5.978	3732	3651		0	0	
4.111	3.884	2779	2509		0	0	
4.173	3.994	2172	1386		0	0	
8.748	8.675	5634	5540		0	0	
8.684	8.528	5889	5740		0	0	
10.882	10.687	7469	7217		0	0	
11.335	10.846	8131	7708		0	0	
12.614	12.753	9799	9715		0	0	
11.717	11.007	8961	0		0	0	
10.605	10.5	0	0		0	0	
11.082	10.601		10029		0	0	
10.574	10.249	8917	0		0	0	
4.483	4.471	4398	4268		0	0	
3.936	3.951	2036	1519		0	0	
9.242	9.024	7932	7708		0	0	
8.146	7.881	6745	4636		0	0	
9.073	9.117	6546	6122		13	0	
7.283	7.315	4461	4368		0	0	
8.67	8.432	8223	7945		0	0	
9.531	9.631	9209	7815		0	0	
10.652	10.433	8468	8420		0	0	
10.311	10.238	9608	9342		0	0	
11.181	10.99	9521	9318		0	0	
5.901	5.776	5764	5558		0	0	
2.507	2.574	1813	474		0	0	
4.542	3.645	2617	1300		0	0	
7.827	7.558	6370	5977		0	0	
12.614	11.62	9717	8699		0	0	
8.811	8.316	5707	5075		0	0	
11		12500	12500	1.3			
		12900					

B\_DIS BR\_DIS SB\_TOT SB\_DIS BA\_TOT BA\_DIS BE\_TOT BE\_DIS CO\_TOT CO\_DIS

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CD_TOT	CD_DIS	CU_TOT	CU_DIS	CR_TOT	CR_DIS	CN_TOT_NFE_TOT	FE_DIS	Ferrous
5.72	5.56	104.4	102.6			15342	10646	
5.45	5.22	91.4	88.6			18116	11089	
5.46	5.12	84.6	82			18794	13244	
4.2	4.24	80.4	80.7			8737	7479	
3.49	3.42	80.6	74.2			6807	4931	
2.46	2.35	58.9	50.8			6531	4711	
5.35	5.28	86.7	89.1			9183	5753	
5.58	5.51	90.4	93.2			11578	8266	
5.54	5.42	84.6	86.9			13840	10311	
5.23	5.05	69.5	67.4			15166	8629	
5.43	5.42	71.9	73.6			22000	16358	
5.25	5.17	63.7	63.9			16522	13272	
5.25	4.97	60.6	60.7			19159	12856	
5.01	4.87	60.8	59.6			21483	15370	
5.54	5.45	76.7	76.4			18033	14751	
4.97	4.95	102.7	101.8			10636	8689	
2.63	2.68	63	62.9			5856	4994	
4.74	4.57	75.6	73.3			6889	4706	
5.7	5.37	93.6	87.8			10173	8188	
5.88	6.1	105.9	106.4			18440	9101	
5.26	5.1	102.1	102.2			10988	8762	
5.06	5.02	85.3	83			14416	9552	
5.34	5.31	73.3	75.1			12289	10461	
5.02	5	65.7	65.5			15718	9817	
5.63	5.39	70.2	67.8			19971	13757	
5.13	4.98	63.2	62.2			18300	11749	
4.09	3.95	71.9	69.8			11284	8887	
1.95	1.76	45	35.6			3775	1970	
2.54	2.69	52.6	43.7			5561	3937	
4.58	4.3	79.3	75			5958	3031	
5.63	5.34	87.9	84.2			8450	4519	
5.08	5.18	103.5	102			8779	5713	
19	14	70	70			30500	28500	
21		70				29500		

HG_TOT_NHG_DIS_MLI_TOT	LI_DIS	MN_TOT	MN_DIS	NI_TOT	NI_DIS	PB_TOT	PB_DIS
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		4781.1	4762.6		20.3	18.1
		4320	4291.7		23.2	19
		4774	4737.1		20.2	18.7
		2467.2	2411.6		14.3	13.4
		1643.8	1623.9		12.9	11
		1476.5	1390.2		9.4	5.2
		4304.9	4240.6		15.8	14.8
		4072.5	4022.4		16.2	15.6
		4947.6	4861.2		14.9	14
		4887.6	4591		15.6	13.9
		4944.3	4922.2		17.8	16.5
		5313.8	4979.5		16.6	15.3
		4556.3	4486		16.4	13.8
		4600.9	4411.5		15.7	14.2
		4907.2	4843.4		14.6	13.9
		2041	2013		17.7	14.2
		1219.6	1209.2		9.7	7
		3843.3	3786.5		17.4	16.9
		3229.9	3245.2		19.9	14.5
		3708	3643.5		46.1	22.7
		2898	2875.9		14.5	10.5
		3640.6	3622.5		12.3	10.6
		4307.2	4300.2		14.6	13.4
		4358.6	4320.3		12.8	10.8
		4880.2	4742.3		14.8	12.5
		4674	4640.1		14	11.6
		2808.2	2667.1		26.5	24.2
		693	664.6		22.8	8.7
		1333.8	1306		15.8	12.8
		2753.5	2701.9		33	26.1
		4200.8	3874		16.5	13.4
		2836	2810.4		12.1	10.3
				929	938	10
				948		10
					1.7	2.1

SE_TOT	SE_DIS	SR_TOT	SR_DIS	TL_TOT	TL_DIS	V_TOT	V_DIS	ZN_TOT	ZN_DIS
0	0							2359.6	2321.6
0	0							2321.9	2293.1
0	0							2347.2	2320.1
0	0							1507.4	1509
0	0							1127.8	1112.6
0	0							819.1	784
0	0							2089.8	2085.1
0	0							2279	2260.8
0	0							2295.6	2281.2
0	0							2296.5	2243.6
0	0							2569.5	2536.5
0	0							2318.2	2311.8
0	0							2409.2	2266
0	0							2345.8	2320.7
0	0							2335.8	2330.1
0	0							1492.1	1492.2
0	0							811.2	819.2
0	0							1907.6	1851.3
0	0							1877.2	1821.1
0	0							2006.1	2003.2
0	0							1597.7	1560.5
0	0							1938.9	1930.2
0	0							2189	2186.3
0	0							2204.2	2172.5
0	0							2506.6	2407.3
0	0							2367	2332.6
0	0							1604.4	1567.7
0	0							515.9	511.6
0	0							810.2	778.2
0	0							1483.6	1413.4
0	0							2082.8	2043.9
0	0							1650	1603.6
								1380	1440
								1330	

DIS_OXY_NDO SAT.	TSS_MG	TDS_MG	T_PHOS_MP_DIS_MGPO4_DIS_NSI_TOT_MISI_DIS_MGNA_TOT_N
%			
			4.048
			3.969
			4.939
			2.745
			1.973
			1.634
			3.653
			3.614
			4.412
			4.649
			5.691
			2.986
			2.599
			2.353
			3.674
			0.652
			1.276
			1.772
			1.432
			1.61
			1.567
			1.901
			2.14
			2.07
			1.799
			2.343
			1.081
			0.411
			0.543
			1.296
			1.676
			1.15

NA_DIS_MCL_MG	F_MG	HCO3_MG	CO3_MG	OH_MG	NH3_MG	NO2_MG	NO3_MG	NO2_NO3_as N
3.92								
4.007								
4.008								
2.435								
1.689								
1.572								
3.63								
3.621								
4.373								
4.47								
5.84								
2.755								
2.586								
2.254								
3.716								
0.452								
1.03								
1.737								
1.449								
1.677								
1.397								
1.715								
1.911								
1.864								
1.834								
2.281								
1.055								
0.377								
0.716								
1.258								
1.807								
1.249								

K\_TOT\_MCK\_DIS\_MGSO4\_MG BI\_TOT BI\_DIS GA\_TOT GA\_DIS MO\_TOT MO\_DIS SN\_TOT

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1.826	1.761
1.813	1.823
2.235	1.878
1.804	1.169
0.793	0.819
0.736	0.699
1.578	1.566
1.685	1.735
1.897	1.856
2.008	1.929
2.635	2.703
1.823	1.68
1.794	1.783
2.208	2.134
1.672	1.675
0.843	0.802
0.783	0.74
1.697	1.672
1.449	1.381
1.685	1.678
1.152	1.327
1.713	1.62
1.832	1.963
1.818	1.814
1.875	1.87
2.073	2.035
1.186	1.152
0	0
0.379	0
0	0
0.513	0.579
0.342	0.372

1.1        1.2        157

SN_DIS	TI_TOT	TI_DIS	ZR_TOT	ZR_DIS	SiO2_TOT	SiO2_Dis	nSum	CatioSum	AnionSum	Balance
							meq/L	meq/L	meq/L	

Sampler	Well Depth feet	Water level feet	Casing abv. Grd.	water column	DOC	TOC
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**MINERAL CREEK DATA**

Lab Name	Lab. Samp	Lab Job #	BASIN	NEW SITE	STRM_DESCR	OLD SITE	D
Lab. Desig	Lab. Projec	Report I. D.					
DPW		104.287	MC			M34	
DPW		104.288	MC			M34	
DPW		104.289	MC			M34	
DPW		104.29	MC			M34	
DPW		104.291	MC			M34	
DPW		104.292	MC			M34	
DPW		104.293	MC			M34	
DPW		104.294	MC			M34	
DPW		104.295	MC			M34	
DPW		104.296	MC			M34	
DPW		104.297	MC			M34	
DPW		104.298	MC			M34	
DPW		104.299	MC			M34	
DPW		104.3	MC			M34	
DPW		104.301	MC			M34	
DPW		104.302	MC			M34	
DPW		104.303	MC			M34	
DPW		104.304	MC			M34	
DPW		104.305	MC			M34	
DPW		104.306	MC			M34	
DPW		104.307	MC			M34	
DPW		104.308	MC			M34	
DPW		104.309	MC			M34	
DPW		104.31	MC			M34	
DPW		104.311	MC			M34	
DPW		104.312	MC			M34	
DPW		104.313	MC			M34	
DPW		104.314	MC			M34	
DPW		104.315	MC			M34	
DPW		104.316	MC			M34	
DPW		104.317	MC			M34	
DPW		104.318	MC			M34	
DPW		104.319	MC			M34	
DPW		104.32	MC			M34	
DPW		104.321	MC			M34	

DATE	TIME_24H	AGENCY	COMMENT	TYPE
1/5/2012	13:30:00	CRW		
2/9/2012	13:45:00	CRW		
3/7/2012	13:50:00	CRW		
4/3/2012	10:00:00	CRW		
5/2/2012	10:30:00	CRW		
6/2/2012	13:40:00	CRW		
8/6/2012	10:30:00	CRW		
9/4/2012	13:45:00	CRW		
10/3/2012	12:55:00	CRW		
11/7/2012	10:45:00	CRW		
12/10/2012	11:15:00	CRW	metals taken and filtered 1	
1/7/2013	12:00:00	CRW	very cold, ice beginning to c	
2/7/2013	11:00:00	CRW		
3/11/2013	10:45:00	CRW		
4/10/2013	10:45:00	CRW		
5/7/2013	13:20:00	CRW		
6/5/2013	13:40:00	CRW	High flow nutrient sample	
7/7/2013	14:15:00	CRW		
8/4/2013	9:00:00	CRW		
9/10/2013	13:35:00	CRW	rain, river up	
10/2/2013	13:50:00	CRW		
11/8/2013	10:30:00	CRW		
12/13/2013	11:00:00	CRW		
1/8/2014	10:15:00	CRW	filtered in lab	
2/7/2014	11:00:00	CRW		
3/5/2014	10:30:00	CRW		
4/10/2014	9:45:00	CRW		
5/1/2014	10:30:00	CRW		
6/6/2014	13:45:00	CRW		
7/1/2014	13:45:00	CRW		
8/1/2014	13:45:00	CRW	Turbid, raining past 3 days	
9/5/2014	10:45:00	CRW		
10/2/2014	9:30:00	CRW		
11/7/2014	10:00:00	CRW	September rain and snow	
12/5/2014	12:15:00	CRW	low flow nutrient sample	

PURPOSE	LAT_DD	LONG_DD	ELEV_FT	provisional		pH-lab	TEMP_C
				daily mean flow_CFS	instantane FLOW_CFS		
430 rack	37.8028	107.6722	9240			4.82	1
	37.8028	107.6722	9240			4.71	2.5
	37.8028	107.6722	9240			4.48	4.48
	37.8028	107.6722	9240			7.41	
	37.8028	107.6722	9240			7.75	4.3
	37.8028	107.6722	9240			7.8	6.5
	37.8028	107.6722	9240			7.74	11.2
	37.8028	107.6722	9240			7.73	14
	37.8028	107.6722	9240			5.65	9.5
	37.8028	107.6722	9240			5.21	4.2
	37.8028	107.6722	9240			4.38	0
	37.8028	107.6722	9240			4.36	0
	37.8028	107.6722	9240			4.43	0
	37.8028	107.6722	9240			4.55	0
	37.8028	107.6722	9240			6.13	2
	37.8028	107.6722	9240			7.68	7
	37.8028	107.6722	9240			7.72	10.5
	37.8028	107.6722	9240			7.81	15.5
	37.8028	107.6722	9240			7.8	7.5
	37.8028	107.6722	9240			7.55	10.5
	37.8028	107.6722	9240			7.78	8.5
	37.8028	107.6722	9240			7.89	0.05
	37.8028	107.6722	9240			7.55	0
	37.8028	107.6722	9240			4.48	0
	37.8028	107.6722	9240			4.68	1
	37.8028	107.6722	9240			4.94	0.5
	37.8028	107.6722	9240			4.94	2
	37.8028	107.6722	9240			7.42	3
	37.8028	107.6722	9240			7.51	9.5
	37.8028	107.6722	9240			8.04	12.5
	37.8028	107.6722	9240			7.71	12.5
	37.8028	107.6722	9240			7.38	9
	37.8028	107.6722	9240			7.46	2.5
	37.8028	107.6722	9240			7.54	1.5
	37.8028	107.6722	9240			6.7	1

field Cond.lab cond.	HARD_MGField Alk as CaCO3=	mg/l	Field Alk Mg/l	Phen_Alk Mg/l	Total alk. Mg/l	ACIDITY	CA_TOT_MCa as CaCC	MCa as CaCC Totals
	264		0	2		83.976	82.678	
	288		0	0		90.853	90.185	
	296		0	0		93.794	84.044	
	128		0	8		42.883	42.308	
	92		0	16		30.158	30.231	
	68		0	16		23.652	23.198	
	144		0	6		53.039	47.67	
	196		0	4		58.021	56.054	
	232		0	2		84.67	84.542	
	272		0	2		97.002	96.231	
	296		0	0		103.656	98.863	
	328		0	0		98.424	96.368	
	304		0	0		103.053	99.699	
	292		0	0		98.569	97.818	
	228		0	0		88.539	37.163	
	102		0	10		33.173	32.515	
	66		0	12		23.614	23.304	
	160		0	4		59.982	58.894	
	130		0	8		44.92	44.627	
	164		0	6		52.604	52.763	
	122		0	14		44.433	43.264	
	184		0	4		63.321	63.472	
	220		0	2		76.574	75.367	
	252		0	0		91.758	86.733	
	272		0	1		96.484	88.239	
	264		0	2		83.885	82.259	
	196		0	2		62.394	61.355	
	150		0	8		47.047	45.476	
	52		0	14		25.212	24.907	
	72		0	12		24.345	24.364	
	108		0	8		36.653	33.258	
	170		0	6		86.441	83.545	
	208		0	14		52.84	49.854	
	186		0	6				
	218		0	2				

MG_TOT_IMG_DIS_MAL_TOT	AL_DIS	AG_TOT	AG_DIS	AS_TOT	AS_DIS	AU_DIS	B_TOT
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6.259	6.184	4215	2266		0	0	
6.748	6.702	4732	2676		0	0	
8.003	6.42	5067	3527		0	0	
3.568	3.517	1402	43		0	0	
2.29	2.207	827	25		0	0	
1.954	1.984	593	61		0	0	
4.271	3.947	1862	31		0	0	
4.388	4.494	2478	38		0	0	
6.135	6.192	3186	147		0	0	
7.048	7.002	3420	595		0	0	
8.394	7.96	4488	1897		0	0	
7.722	7.538	6166	4301		0	0	
8.451	8.192	6271	4345		0	0	
7.95	7.946	5379	3696		0	0	
6	1.274	4454	0		0	0	
2.639	2.579	1433	38		0	0	
2.014	1.99	566	52		0	0	
4.808	4.814	2619	44		0	0	
3.832	3.813	1779	38		20	0	
4.52	4.501	2337	33		0	0	
3.964	3.85	1586	36		0	0	
5.022	5.033	3523	24		0	0	
5.888	5.831	4356	171		0	0	
7.838	7.433	4663	944		0	0	
7.811	6.808	4998	1548		0	0	
7.04	7.005	4849	1386		0	0	
4.356	4.554	3530	486		0	0	
3.845	3.629	2313	26		0	0	
1.95	1.831	759	114		0	0	
2.269	2.068	751	57		0	0	
3.549	3.153	1613	56		0	0	
6.789	6.587	2673	33		0	0	
4.136	3.944	1674	28		0	0	

B\_DIS BR\_DIS SB\_TOT SB\_DIS BA\_TOT BA\_DIS BE\_TOT BE\_DIS CO\_TOT CO\_DIS

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CD_TOT	CD_DIS	CU_TOT	CU_DIS	CR_TOT	CR_DIS	CN_TOT_NFE_TOT	FE_DIS	Ferrous
0.85	0.86	10.4	8.2			5828	2235	
0.99	0.94	10.8	8.2			5327	2788	
0.93	0.98	11.4	9.9			6000	2987	
0.7	0.6	8.7	8.5			2309	1286	
0.46	0.41	9	4.2			1297	360	
0.23	0	5.2	2.9			936	491	
0.49	0.49	6.8	5.2			2671	1514	
0.61	0.6	7	4.2			3219	2175	
0.65	0.66	8.1	5.8			4457	3226	
0.76	0.75	8.7	7.6			5652	4308	
0.98	0.99	9.8	8.1			6943	3815	
0.95	0.94	8.6	7.6			6758	2066	
0.92	0.93	13.5	11.6			6228	2552	
1	0.97	10	8.4			6807	4019	
1.15	0.82	10.6	0			6082	0	
0.63	0.6	11.3	4.1			1990	1064	
0.28	0	5.9	2.4			790	360	
0.58	0.55	7.4	2.1			2692	1394	
0.88	0.52	7.3	2.7			2052	1304	
0.65	0.63	8.8	2.3			2828	1492	
0.6	0.57	9.2	2.5			1987	1060	
0.75	0.72	7.8	0			4332	3161	
0.78	0.78	7.2	2.7			4942	3293	
0.85	0.85	9.2	6.8			5303	2960	
0.88	0.9	8.9	6.8			6018	4164	
0.91	0.86	8.7	7.1			6229	4213	
1.05	1.03	15.6	11.9			4101	2579	
0.9	0.81	13.6	2.2			2991	1624	
0.2	0	6.7	4.5			869	181	
0	0.26	65.6	3.4			745	286	
0.42	0.38	6.6	0			1503	856	
0.81	0.63	6.3	0			2724	1573	
0.5	0.39	8.3	0			1562	394	

HG_TOT_NHG_DIS_MLI_TOT	LI_DIS	MN_TOT	MN_DIS	NI_TOT	NI_DIS	PB_TOT	PB_DIS
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	544	507.5			7.1	0
	552.7	557.1			6.6	3.2
	537.9	492.5			6.6	3.4
	211.7	201.2			7.5	0
	134.2	127			3.9	0
	97	90.8			3.4	0
	273.3	291.2			3.2	0
	313.8	311.6			4	0
	391.2	384.3			3.6	0
	469.8	447.3			3.7	0
	494.3	481.2			5.4	3.5
	540.9	526.7			4.7	0
	568	538.5			7.9	6
	565.1	550.6			4.5	0
	464.4	0			8.8	0
	168.9	184.8			7.1	0
	86.3	82.5			3.1	0
	264.1	257.4			3.1	0
	202.8	196.4			0	0
	266.4	264.2			5.3	0
	213	203.7			4.5	0
	324	319.2			4	0
	375.2	371.3			3.8	0
	489.6	464.7			0	0
	534.9	499.2			0	0
	483.7	476.6			3.2	0
	360.2	354.5			17.9	9.5
	272.4	259.1			10.7	6.8
	107.5	85.1			10.5	4.5
	110.8	109			9	6
	206.4	199.1			9.1	4.1
	320.5	309.7			0	0
	187.9	178			3.8	0

SE_TOT	SE_DIS	SR_TOT	SR_DIS	TL_TOT	TL_DIS	V_TOT	V_DIS	ZN_TOT	ZN_DIS
0	0							205.2	199.3
0	0							220.2	204.4
0	0							247.4	213.4
0	0							173.8	155.4
0	0							87.4	77.5
0	0							50.1	43.4
0	0							121	114.3
0	0							127.9	117.9
0	0							150.5	145
0	0							172	171.8
0	0							233.7	228.8
0	0							205.7	189.5
0	0							203.9	202.2
0	0							257.1	247.6
0	0							293.7	0
0	0							133.9	117.7
0	0							49.2	40.9
0	0							122.5	104
0	0							114.2	102.6
0	0							139.8	124
0	0							111.8	98.4
0	0							169.4	154.9
0	0							200.3	188.6
0	0							211.7	200.6
0	0							213.3	204
0	0							210.9	206
0	0							256.9	253.7
0	0							199	182.2
0	0							53.1	58.6
0	0							100.9	64.8
0	0							92.8	82.7
0	0							174.4	158
0	0							118.1	97

DIS_OXY_NDO SAT.	TSS_MG	TDS_MG	T_PHOS_MP_DIS_MGPO4_DIS_NSI_TOT_MISI_DIS_MGNA_TOT_N
%			
			3.473
			3.799
			4.75
			2.929
			1.6
			1.119
			2.419
			2.459
			3.239
			3.814
			4.612
			2.702
			2.9
			2.286
			4.026
			0.733
			0.806
			1.253
			1.048
			1.222
			1.32
			1.464
			1.764
			1.987
			1.938
			1.859
			1.902
			1.345
			0.439
			0.45
			0.816
			1.307
			0.907

NA_DIS_MCL_MG	F_MG	HCO3_MG	CO3_MG	OH_MG	NH3_MG	NO2_MG	NO3_MG	NO2_NO3_as N
3.426								
3.703								
3.712								
2.987								
1.568								
1.147								
2.372								
2.537								
3.304								
3.814								
4.458								
2.594								
2.833								
2.295								
3.689								
0.727								
0.789								
1.26								
1.032								
1.221								
1.276								
1.476								
1.683								
1.877								
1.666								
1.864								
2.031								
1.264								
0.452								
0.516								
0.641								
1.271								
0.866								

K\_TOT\_MCK\_DIS\_MGSO4\_MG BI\_TOT BI\_DIS GA\_TOT GA\_DIS MO\_TOT MO\_DIS SN\_TOT

0.663	0.662
0.936	0.737
0.949	0.782
0.562	0.558
0.386	0.376
0.315	0.309
0.521	0.612
0.558	0.582
0.668	0.676
0.779	0.784
1.204	1.208
0.666	0.636
0.639	0.637
1.136	1.124
0.623	0
0.363	0.364
0.394	0.348
0.6	0.613
0.525	0.502
0.58	0.583
0.446	0.448
0.621	0.587
0.715	0.641
0.79	0.745
0.747	0.674
0.796	0.789
0.619	0.659
0.509	0.507
0	0
0	0
0	0
0.201	0
0	0

SN_DIS	TI_TOT	TI_DIS	ZR_TOT	ZR_DIS	SiO2_TOT	SiO2_Dis	nSum	CatioSum	AnionSum	Balance
							meq/L	meq/L	meq/L	

Sampler	Well Depth feet	Water level feet	Casing abv. Grd.	water column	DOC	TOC
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